

UNIVERSITY OF PENNSYLVANIA - SCHOOL OF MEDICINE

**Curriculum Vitae**

**ABASS ALAVI, MD**  
**PROFESSOR OF RADIOLOGY**  
**DIRECTOR, RESEARCH EDUCATION**  
March 2015

**Home Address** 939 Remington Road  
Wynnewood, Pennsylvania 19096

**Office Address** 3400 Spruce Street  
Hospital of the University of Pennsylvania  
Department of Radiology/Nuclear Medicine  
Philadelphia, PA 19104  
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**Education** 1957-64 MD University of Tehran School of Medicine

**Postgraduate Training and Fellowship Appointments**

1966-67 Rotating Intern, Albert Einstein Medical Center, Philadelphia  
1967-68 First Year Resident in Medicine, Albert Einstein Medical Center, Philadelphia  
1968-69 Second Year Resident in Medicine, Veterans Administration Hospital, Philadelphia  
1969-70 Fellowship, Hematology, Hospital of the University of Pennsylvania, Philadelphia  
1970-71 Resident in Radiology, Beth Israel Hospital, Boston  
1971-73 Fellowship, Nuclear Medicine, Hospital of the University of Pennsylvania, Philadelphia

**Military Service**

1964-66 Iranian Health Corps

**Faculty Appointments**

1973-74 Instructor in Radiology, University of Pennsylvania School of Medicine  
1974-77 Assistant Professor of Radiology, University of Pennsylvania School of Medicine  
1977-82 Associate Professor of Radiology, University of Pennsylvania School of Medicine  
1972-82 Associate Professor of Neurology (secondary appt.), Univ. of Pennsylvania School of Medicine  
1982- Professor of Radiology, University of Pennsylvania School of Medicine  
1982- Professor of Neurology (secondary appt.), University of Pennsylvania School of Medicine  
1987-2000 Professor of Psychiatry, University of Pennsylvania School of Medicine

**Hospital and Administrative Appointments**

1978-79 Acting Chief, Division of Nuclear Medicine, Hospital of the University of Pennsylvania  
1979-06 Chief, Division of Nuclear Medicine, Hospital of the University Pennsylvania  
1980-92 Co-Director, Positron Emission Tomography Center, Univ. of Pennsylvania School of Medicine

## **Hospital and Administrative Appointments: (continued)**

- 1984- Associate Director, Center for the Study of Aging, University of Pennsylvania  
1985-06 Co-Director, SPECT Center, Hospital of the University of Pennsylvania  
1992-06 Medical Director, Positron Emission Tomography Center, Univ. of Pennsylvania

## **Specialty Certification**

- 1972 American Board of Internal Medicine  
1973 American Board of Nuclear Medicine  
1973 American Board of Radiology (Eligible)  
Pennsylvania

## **Licensure**

## **Awards, Honors and Membership in Honorary Societies**

- 1971-73 Postdoctoral NIH Fellowship in Nuclear Medicine  
1982 Member, Steering and Executive Committees, Prospective Investigation of Pulmonary Embolism Diagnosis, Chairman, Nuclear Medicine Working Group  
1984 Who's Who, Frontiers of Science of Technology  
1984-88 Trustee, Society of Nuclear Medicine  
1985 Fellow of the Center for the Study of Aging, University of Pennsylvania  
1989 Fellow, American College of Nuclear Physicians  
1992 Fred Joliot Visiting Professor at Orsay, France  
1992 Evan-Jone Memorial Lecture, U of MDS, London  
1994 IVRA - Keynote speaker  
1994 Taylor Lectureship award - Dept. of Psychiatry, Univ of Maryland  
1995 Benedict Cassen Memorial Symposium, CA  
1996 6th Asia & Oceania Congress - award for Outstanding Contributions  
1997 Sarabhai Memorial Oration award - Society of Nuclear Medicine of India  
1999 The 11th Annual Berson-Yalow Award - Greater NY Chapter Society of Nuclear Medicine  
1999 Best Doctors in America  
1999 Chairman, American Cancer Society Study Section  
2000 Chairman, American Cancer Society Study Section  
2000 Outstanding Service to the Cause of Cancer Control, Acknowledgement by American Cancer Society  
2001 One of the two top Finalists, "Most influential Radiology Researcher", AuntMinnie.com's Annual Event to recognize Excellence in Radiology  
2001 Distinguished Service Award, Indo-American Society of Nuclear Medicine, IASNM, for outstanding contribution to nuclear medicine and promotion of IASNM  
2002 Recognition Award for Substantial Contribution to the Education and Research Foundation of the Society of Nuclear Medicine  
2002 Visionaries in Nuclear Medicine, Distinguished Lecture Series, New Jersey Medical School, November 21, 2002  
2002 Honorary Member, Iranian Academy of Medical Sciences, December 18, 2002  
2003 Blue Ribbon Lecture Series, Philadelphia Roentgen Society  
2003 America's Top Physicians, Consumers' Research Council of America  
2003 Taplin Pioneer Lecturer, 28<sup>th</sup> Annual Western Regional Meeting Society of Nuclear Medicine, October 3, 2003  
2003 Internal Advisory Committee, Network for Translational Research in Optical Imaging

## **Awards, Honors and Membership in Honorary Societies (continued)**

- 2004 Georg Charles de Hevesy Nuclear Pioneer Award, 51<sup>st</sup> Annual Meeting of the Society of Nuclear Medicine, June 20, 2004
- 2005 Top Doctor, Castle Connolly Medical Ltd.
- 2005 America's Top Doctors for Cancer, Castle Connolly Medical Ltd.
- 2004 Appointment, Internal Advisory Board, Congressionally Directed Breast Cancer Center of Excellence
- 2005 Consultative Fellow, World Innovation Foundation
- 2005 Member, Editorial Advisory Board, Current Medical Imaging Review
- 2005 Member, (Ad Hoc Chairman), NIH/CSR/ZRG1 SBIB-Q50
- 2005 Chairman, Scientific Review Panel, NIH/CSR/ZRG1 SBIB-Q13
- 2005 Best Doctors in America, Best Doctors, Inc.
- 2006 Best Doctors in America, Best Doctors, Inc.
- 2006 Best Doctors in Pennsylvania, Best Doctors, Inc.
- 2006 Best Mentor Award, American College of Nuclear Physicians
- 2006 Fellow, World Innovation Foundation
- 2006 Philadelphia's Top Doctors, Philadelphia Magazine
- 2006 New York Metro Area Top Doctor, Castle Connolly Medical Ltd.
- 2006 America's Top Doctor, Castle Connolly Medical Ltd.
- 2007 Honorary M.D. Degree in "Medicine and Surgery", University of Bologna
- 2007 Honorary Ph.D. Degree in Molecular Biology, University of Shiraz
- 2007 Member, Honorary Editorial Board, Drug Design, Development and Therapy
- 2007 Member, The Science Advisory Board, Arlington, VA
- 2007 Best Doctors in America, Best Doctors, Inc.
- 2007 Orator, RD Lele Oration Award, Annual Meeting of the Association of Nuclear Medicine Physicians of India, Udaipur, India
- 2008 America's Top Doctors for Cancer, Castle Connolly Medical Ltd
- 2008 Member, Honorary Editorial Board, Dove Medical Press: Journal of Infection and Drug Resistance
- 2008 Member, Honorary Editorial Board, Dove Medical Press: Journal of Receptor, Ligand and Channel Research
- 2008 Dove Medical Press: Reports in Medical Imaging
- 2008 Life Member, American Board of Nuclear Medicine
- 2008 Orator, Dr. S.K. Sharma Oration-2008, India
- 2008 Honorary D. Sc. Degree, University of the Sciences in Philadelphia
- 2008 Recognition for contribution to Medicine and Medical Imaging, Iranian American Medical Association
- 2008 Member, American Board of Science in Nuclear Medicine Board, SNM
- 2008 Best Doctors in America, Best Doctors, Inc.
- 2008 The most cited and the most published faculty member at PENN based on latest ISI search
- 2008 Consultant Editor, PET Clinics
- 2008 Ad Hoc Member, SPORE Grant Review Committee, NCI
- 2008 Recipient, Gold Medal Award and diploma of honour at the 4th International Meeting of The Hellenic Society of Nuclear Medicine, Thessaloniki, Macedonia, Greece
- 2008 Pending Member, Honorary Editorial Board of International Journal of Pain
- 2009 Member, Editorial Board, The Nuclear Medicine and Molecular Imaging, Springer-Verlag
- 2009 Pending Member, Editorial Board of World Journal of Radiology
- 2009 Best Doctors in America, Best Doctors, Inc.
- 2010 Member, College of CSR Reviewers, Center for Scientific Reviews, National Institutes of Health

## **Awards, Honors and Membership in Honorary Societies (continued)**

- 2010 Best Doctors in America, Best Doctors, Inc.
- 2010 Number one expert in Positron Emission Tomography by, [www.biomedexperts.com](http://www.biomedexperts.com)
- 2010 Number one expert in Fluorodeoxyglucose F18 by [www.biomedexperts.com](http://www.biomedexperts.com)
- 2010 Number one expert in Radiopharmaceuticals by, [www.biomedexperts.com](http://www.biomedexperts.com)
- 25, February 2010 Vic Houghton Honorary Lecture, “Emerging Role of Hybrid Imaging for Optimal Assessment of Molecular Alterations in Neuropsychiatric Disorders and Its Implications for Individualized Treatments in the Future”, American Society of Functional Neuroradiology, Wynn Encore, Las Vegas
- 2011 Editor in Chief, Current Molecular Imaging
- 2011 Best Doctors in America, Best Doctors, Inc.
- 2012 Organizing Committee Member, International Conference & Exhibition on Personalized Medicine and Molecular Diagnostics
- 2012 Benedict Cassen Prize for Research in Nuclear Medicine, Annual Meeting of the SNM
- 2012 Featured Speaker on the occasion for dedicating Brookhaven National Laboratory as Historic Chemical Landmark by the American Chemical Society
- 2014 Mentor of the Year, American College of Nuclear Medicine
- 2014 h-Index of 104 and more than 42,000 citations as registered in Google Scholar
- 2014 Marquis Who’s Who in America 2014 (68<sup>th</sup> Edition)

## **Philanthropic Contributions**

1. Alavi-Mandel Award for scientific contributions to the Journal of Nuclear Medicine by trainee in basic science and clinical programs
2. Bradley-Alavi student fellowship through Education and Research Foundation
3. Alavi-Mandel Award Fund for Subscription to Journal of Nuclear Medicine for medical libraries in the developing countries
4. Alavi-Dabiri Fellowship in Mental Retardation, The Childrens’ Hospital of Philadelphia
5. Alavi-Dabiri Lectureship - The Childrens’ Hospital of Philadelphia
6. Bradley-Alavi Faculty Excellence Award, Department of Medicine, Hospital of the University of Pennsylvania

## **Memberships in Professional and Scientific Societies**

### **International Societies:**

- Neuroimaging Research Group, Neuroimaging Comm.  
(World Federation of Neurology)
- Austrian Stroke Prevention Study  
(Board of Advisors)
- Space and Space Neurology, Research Group of the World Federation of Neurology  
(Member)
- Health Research Foundation, British Columbia, Canada,  
(Member, External Referee for Scientific Projects)
- Austrian Society of Nuclear Medicine;  
(Honorary Member)  
Consultant Fellow, 2005

### **National Societies:**

American Board of Nuclear Medicine  
(Board Member, 2002-2008)  
American Cancer Society, study section  
(Chairman 1999-2000)  
American Cancer Society, Experts Directory  
American College of Nuclear Physicians  
American College of Radiology  
(RDOG Member, 1994)  
American Medical Association, DATTA Program  
(Consultant)  
Brookhaven National Laboratory and Associated Universities  
(Research collaborator)

### **Memberships in Professional and Scientific Societies (continued)**

#### **National Societies (continued)**

Society of Nuclear Medicine  
Brain Imaging Council, (Founding member, 1987)  
Education and Research Foundation

American College of Nuclear Physician's Task Force for PET Reimbursement, 1987  
Education and Research Foundation (Board of Directors, since 1987)  
Task Force on PET (member, 1990)  
Brain Imaging Council, (Vice-President & President, 1992-96)  
Education and Research Foundation (President, 1994-96)  
Correlative Imaging Council (Board of Directors, 1994)  
Committee on Publications, (member, 1998)  
Society of Acupuncture Research, (affiliate, 1998)

National Institutes of Health, Center for Scientific Review  
NIH/CSR/ZRG1 SBIB-Q50

American Board of Science in Nuclear Medicine, Society of Nuclear Medicine  
(Board Member 2008)

National Emphysema Treatment Trial Research Group  
College of CSR Reviewers, Center for Scientific Reviews, National Institutes of Health,  
2010-2012, Pending

#### **Local Societies:**

The John Morgan Society, University of Pennsylvania  
Pennsylvania College of Nuclear Medicine  
Philadelphia Roentgen Ray Society

### **National Scientific Committees:**

Brain Imaging Council, SNM, since 1987  
American Medical Association, Scientific Affairs and Research Committee, 1988  
Society of Nuclear Medicine PET Committee  
Chairman, American Cancer Society, Study Section, 1999-2000  
Panacea Pharmaceuticals, Clinical Advisory Board, Consultant, 2000  
Association of University Radiologists' (AUR) 2003-2004 Scientific Program Committee

### **Local Scientific Committees:**

University Hearing Board

### **Editorial Positions:**

Consultant Editor, PET Clinics, 2007  
Associate Editor, Journal of Nuclear Medicine, 1998-2003  
Editorial Board, Journal of Nuclear Medicine, 2003-2006  
  
Editorial Board, European Journal of Nuclear Medicine and Molecular Imaging  
Editorial Board, Annals of Nuclear Medicine and Sciences (Japanese SNM official journal)  
Editorial Board, Journal of Experimental & Clinical Cancer Research  
Editorial Board, Technology in Cancer Research and Treatment, 2003  
Editorial Board, Clinical Medicine Insights: Oncology, 2007  
Editorial Advisory Board, The Science Advisory Board, 2007  
Editorial Board, Honorary Member, Dove Medical Press: Journal of Infection and Drug Resistance, 2008  
Editorial Board, Honorary Member, International Journal of General Medicine  
Editorial Board, Honorary Member, Dove Medical Press: Journal of Receptor, Ligand and Channel Research, 2008  
Manuscript Reviewer, Radiology  
Manuscript Reviewer, Annals of Internal Medicine  
Manuscript Reviewer, Archives of Internal Medicine  
Manuscript Reviewer, Cancer  
Manuscript Reviewer, New England Journal of Medicine  
Manuscript Reviewer, Journal of Computer Assisted Tomography  
Manuscript Reviewer, Cancer Research  
Editorial Board, Technology in Cancer Research and Treatment, 2011  
Editorial Board, Cancer and Metabolism, 2011  
Editorial Board, Cancer and Metabolism, 2012  
Editorial Board, Advances in Breast Cancer Research, 2012  
Associate Editor, British J of Radiology, 2012

### **Academic Committees at the University of Pennsylvania:**

Member, Radiation Safety Committee  
Faculty representative, Biomedical Review Panel for the University Research Foundation, 2012-present

**Major Teaching and Clinical Responsibilities at the University of Pennsylvania and Affiliated Hospitals:**

1. Director, Nuclear Medicine Training Program, 1978-2007
2. Training Nuclear Medicine Residents and Fellows, Radiology Residents and Medical Students rotating to Nuclear Medicine, 1978-2007
3. Attending in Nuclear Medicine at the Hospital of the University of Pennsylvania
4. Attending in Nuclear Medicine at the Children's Hospital of Philadelphia
5. Coordinator, Nuclear Medicine Course 210 (a four week didactic course)

**Consultant-Advisory Position for Commerical Entities:**

None

## Lectures by Invitation:

- 15 Jan, 1993 "PET and SPECT in neuropsychiatric disorders" and "Recent advances in the diagnosis of thromboembolic disease". Guest Speaker for Los Angeles Radiological Society, Los Angeles, CA
- 4 Feb, 1993 Society of Nuclear Medicine - 1993 Midwinter Meeting, Atlanta, GA
- 26 March 1993 "Recent Advance in the Diagnosis of Pulmonary Embolism"  
Society of Nuclear Medicine's Pacific Northwest Chtr Spring Mtg Portland, OR
- 12 May 1993 "Recent Developments in Thromboembolic diseases". The University of Connecticut Health Center, Radiology Grand Rounds - Visiting Professor
- 22 May 1993 16th International Symposium on Cerebral Blood Flow. Sendai, Japan
- 2 August 1993 "Recent Advances in PET and SPECT imaging in the Investigation of Neuropsychiatric Disorders". 2nd Gauss Symposium, Munich Germany
- 4 September 1993 "Evidence of 'Regional Hyperemia' in Patients with Severe Closed Head Injury using SPECT". XV World Congress of Neuro., Vancouver Canada
- 16 October 1993 "SPECT/PET Correlation for Tumor Grading and Tumor Recurrence", Geisinger Clinic, Danville, PA
- 18 October 1993 "PET and SPECT in Neurology, State of the Art". XIII Congress of the Latin American Association of Nuclear Medicine Societies, Cartagena de Indias, Columbia
- 29 Oct, 1993 "The Clinical Value of PET in Brain tumors and non central nervous system malignancies", Greater New York Chapter of the Society of Nuclear Medicine, Philadelphia, PA
- 5 March 1994 "Functional Brain Imaging in the Legal Arena". 5th. Annual High Country Nuclear Medicine Conference
- 8 April 1994 "Evaluation of Dementia and Psychiatric Disorders", "Imaging in epilepsy", "Neurosurgical Indications", and PET, MRI, CT, and SPECT in clinical neurology". State of the Art, Nuclear Medicine and Cardiology, Santiago, Chile
- 15 April 1994 "Functional Imaging of the Brain with SPECT". American Occupational Health Conference, Chicago, IL
- 19 June 1994 "Imaging of the central nervous system disorders: it's role in the decade of the brain" and "Recent advances in the diagnosis of thromboembolic disorders with imaging techniques". Turkish Soc. of Nuclear Medicine
- 1 Aug, 1994 "Advances in Imaging, especially Nuclear Medicine". International Veterinary Radiology Association, Philadelphia, PA



- 24 Aug, 1994 "The future of space flight in relation to the study of CNS". Space and Underwater Division of the World Federation of Neurology. Fort Lauderdale, FL
- 4 Nov, 1994 "Functional Brain Imaging in the 90's"; The role of functional-anatomic imaging techniques in the management of patient with brain tumors and seizures"; Effects of aging and dementia on brain structure and function". Instituto San Lucas, Rosario, Argentina
- 16 Nov, 1994 "The Lung Scan and Monoclonal Antibody Imaging". 67th Scientific Session, America Heart Association, Dallas, TX
- 19 Nov, 1994 "SPECT, PET: New Dimensions. World Federation of Neuro., New Delhi, India.
- 28 Nov, 1994 "Basis of PET and the glucose metabolism"; PET and the role of CT and MRI in the Investigation of various brain disorders.; "Head Injury, seizures, vascular disorders, dementia, movement disorders" University of Tubingen, Germany
- 22 Feb, 1995 "Positron Emission Tomography". Grand Rounds. Graduate Hospital, Philadelphia, PA
- 24 Feb, 1995 "The Role of PET in Oncology". Albert Einstein Medical Center, Philadelphia, PA
- 28 Feb, 1995 "Clinical Applications of PET in Oncology and Other Disorders". Ground Rounds. Lankenau Hospital, Wynnewood, PA
- 9 March 1995 "PET Scanning: 1995". Grand Rounds. Christiana Hospital, Newark, DE
- 11 March 1995 "Functional Brain Imaging in Neuropsychiatry" and "Lung Imaging in Pulmonary Embolism Evaluation - An Update of PIOPED" Southern California Chapter of The Society of Nuclear Medicine, Benedict Cassen Memorial Symposium, Long Beach, CA
- 12-15 March 1995 "Advances in Thromboembolism Disorders", Brain Imaging in the 90's". First Kuwait International Conference of Radiology & Nuclear Medicine, Safat, Kuwait.
- 17-22 March 1995 "PET Imaging" Mini Symposium. King Faisal Specialist Hospital & Research Centre. Kingdom of Saudi Arabia.
- 25-26 March 1995 "MRI and PET in Cerebrovascular Disease", 2nd Regional Meeting on Cerebrovascular Disorders, Cairo, Egypt.
- 24 April 1995 "Recent Developments in Brain Tumor Imaging", Memorial Sloan-Kettering Cancer Center, New York, NY
- 29-1 Apr/May 1995 "The Role of Imaging in the Diagnosis of Thromboembolic Disorders", "Basic Concepts of PET and SPECT", "Neuroimaging in the 90's", Metabolic Imaging in the Management of Patients with Cancer", brain SPECT and PET in Psychiatric disorders (clinical future and perspectives)", "SPECT and PET in the Differential diagnosis of Dementia", 25th Jornada Paulista de Radiologia Sao Paulo, Brazil

- 11 May 1995 “Clinical Applications of PET Scanning”. Grand Rounds. Cooper Hospital University Medical Center, Camden, NJ
- 12 May 1995 “The Role of PET in the Management of Patients with Cancer”. Grand Rounds. Bryn Mawr Hospital, Bryn Mawr, PA
- 24 June 1995 “PET in Neuropsychiatry, Role of Functional Images”. XVIII Congreso Nacional de Medicina Nuclear. Pamplona, Spain
- 2-6 July 1995 XVII International Symposium on Cerebral Blood Flow and Metabolism. Cologne, Germany
- 16-21 July 1995 “Brain Tumor Permeability Enhanced by RMP-7, a Novel Bradykinin Agonist”. 19th International Congress of Chemotherapy. Montreal, Quebec, Canada
- 17-18 July 1995 “PET Imaging of Brain Tumors” and “Nuclear Medicine in Thrombo-Embolitic Diseases”. Universite de Sherbrooke, Sherbrooke, Quebec
- 3 Aug, 1995 “New Diagnostic Techniques of the Evaluation of Cancer Patients”. Tumor Board Conference. Mercer Medical Center, Trenton, NJ
- 26-30 Aug, 1995 “What Did We Learn From PIOPED?” and “Brain Imaging with SPECT in the Era of Functional MRI and PET; Will It Survive?” European Assoc. of Nuclear Medicine Congress 1995. Brussels, Belgium
- 31Aug. - 2 Sept, 1995 “The Role of Modern Imaging Techniques in the Management of Patients with Head Trauma”, “Clinical Applications of Single Photon Emission Tomography in Neuropsychiatric Disorders”. International Symposium on SPECT in Clinical Neurology. Antwerp, Belgium
- 25-28 Sept, 1995 “Evidence of Enhanced Blood-Brain Barrier Breakdown in Brain Tumors Following the Administration of RMP-7; a Bradykinin Analog”. The 18th Salzburg Conference. Nikko, Japan
- 4 Oct, 1995 “Brain Imaging, An Investigation of Neuropsychiatric Disorders”. Grand Rounds. Rehabilitation Medicine, University of Pennsylvania Medical Center
- 6-8 Oct, 1995 “PET in Neurology and Psychiatry”. 9th Northeast Regional Scientific Meeting of the Society of Nuclear Medicine, Philadelphia, PA
- 9-13 Oct, 1995 “Recent Advances in Imaging Thrombo-embolic Disorder”. “Brain SPECT in the Era of PET and FMRI”. “Transient Ischemia Attacks vs. Acute Stroke: Correlation of PET/SPECT, MRI, and CT”. “The Role of Anatomic and Functional Imaging (SPECT) in the Evaluation of Head Injury and Brain Tumors”. “Gastrointestinal Bleeding: Sulfur Colloid vs Labeled Red Blood Cells”. “Thallium-201 SPECT in the diagnosis of Tumor Recurrence: Comparison to F-18 FDG, CT and MRI”. XIV Congress of the Association of the Latin American Societies of Nuclear Medicine and Biology. Salvador, Bahia, Brazil

- 22-24 Oct, 1995 “The Role of Modern Imaging Techniques in the Management of Patients with Brain Tumors”. Advances in Imaging and Their Applications. The Banbury Center, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- 1-5 Nov, 1995 “Clinical Applications of Single Photon Emission Tomography in Neuropsychiatric Disorders” International Society for Neuroimaging in Psychiatry. 4th International Symposium “Imaging of the Brain in Psychiatry & Related Fields. Frankfurt/Main, Germany
- 11 Dec, 1995 “The Role of PET in Management of Brain Tumor Patients” Brain Tumor Conference. Thomas Jefferson Univ/Medical College, Philadelphia, PA
- 20 March 1996 “Functional SPCT in the Era of PET and of MRI” and “New Developments in History of Thromboembolic Disorders” Harlem Hosp, New York, NY
- 31 March 1996 “Basics of PT and Glucose Metabolism” King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia
- 1 April 1996 “PET and Role of CT and MRI in the Investigation of Brain Disorders” King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia
- 2 April, 1996 “Neurology PET: Head Injury, Seizures, Vascular Disorders and Movement Disorders”, “PET: Oncology and Transplantation- Clinical and Research Applications” and “Future Directions of PET King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia
- 26 April, 1996 “SPECT and PET Imaging: Role In the Investigation of Stroke. Hospital Saint-Luc, Montreal, Quebec
- 1 May, 1996 “PET Scans” Chester County Hospital, West Chester, PA
- 22 May, 1996 “The Role of Functional Imaging and Investigation of Pain and Improvement Following Acupuncture” Neurorehabilitation Grand Rounds, University of Pennsylvania Medical Center, PA
- 3-6 June, 1996 43rd Annual Meeting of the Society of Nuclear Medicine, Denver, CO
- 26 June, 1996 “PET Scans” Pigmented Lesion Group, Univ. of Pennsylvania Health System, Phila., PA
- 5 Sept, 1996 “PET and Oncology”, Hematology/Oncology Conference, Allegheny Univ. Hospital, East Falls, Phila., PA
- 7 Sept, 1996 “Functional Brain Imaging in the Era of PET, SPECT and MRI” The Delaware Valley Society of Nuclear Medicine Technologists, Phila., PA
- 21 Sept, 1996 “Clinical PET Update” West Virginia PET Center, Morgantown, WV
- 22 Sept, 1996 “Neuro Imaging of Acupuncture Treatment with SPECT Scan” Physiology of Acupuncture Conference: An International Symposium, Medical Acupuncture Research Foundation, Los Angeles, CA

- 30 Sept 4 Oct, 1996 “Functional Neuroimaging in the Era of PET, SPECT and FMRI”, “Neuro-Nuclear Medicine: Clinical Brain Imaging” The 6th Asia and Oceania Congress of Nuclear Medicine and Biology, Kyoto, Japan
- 7 Oct, 1996 “Functional Neuroimaging in the Era of PET, SPECT and FMRI”, Samsung Medical Center, Ajou Univ. Medical Center, Seoul National Univ. Hospital, Asian Medical Center, Korea
- 9-13 Oct, 1996 “The Role of Imaging in the Diagnosis of Thromboembolic Disorders”, “PET and SPECT”, “Neuroimaging in the 90’s”, Metabolic Imaging in the Management of Patients with Cancer”, Brain SPECT and PET in Psychiatric Disorders”, “SPECT and PET in the Differential Diagnosis of Dementia”, XIV Congress of the Assoc. of the Latin American Societies of Nuclear Medicine and Biology, Brazilian Society of Nuclear Medicine and Biology
- 15 Oct, 1996 “SPECT/PET Brain Scans”, “Lung Ventilation/Perfusion Scans for PE”, and “Detecting Bleeding with Sulfur Colloid” Fall Nuclear Medicine Course, National Naval Medical Center, Dept. of the Navy, Bethesda, MD
- 24 Oct, 1996 “Clinical Role of PET in Evaluating Dementia and Neurodegenerative Disorders”, “Clinical NeuroPET Imaging II”, 8th Annual International PET Conference, Institute for Clinical PET Lake Buena Vista, FL
- 24-26 Oct, 1996 “Updates In Nuclear Medicine in Neurology” Medicare Asia Medical Congress, Mahidol University, Bangkok, Thailand
- 29 Oct, 1996 “Functional and Metabolic Imaging with PET and SPECT” National Univ. of Singapore Faculty of Medicine, Singapore
- 7 Nov, 1996 “Recent Advances in Brain Tumor Imaging” University of Michigan Medical Center, Ann Arbor, MI
- 12-16, Nov, 1996 “Recent Results of PET in Drug Abuse” Eberhard-Karls-University Tubingen, Germany
- 10 Dec, 1996 “Clinical Applications of PET” Radiology Grand Rounds, University of Pennsylvania Medical Center, Phila., PA
- 10 Feb, 1997 Society of Nuclear Medicine Mid-Winter Meeting, Palm Springs, CA
- 18-21, May, 1997 “Correlation Between Functional MRI and Nuclear Medicine Procedures”, ALASBIMN, Sao Paulo, Brazil
- 2-6, June, 1997 43rd Annual Meeting of the Society of Nuclear Medicine, Denver, CO
- 5 Sept, 1997 “Role of PET Imaging in brain Tumors, Head Trauma, and Dementia”, Advances in PET Imaging, Morgantown, West Virginia
- 14-19 Sept, 1997 “Tomographic Gated Blood Pool Imaging of the Brain; A new Method for Assessing Cerebral Hemodynamics”, XVI World Congress of Neurology, Buenos Aires, Argentina

- 20-21 Sept, 1997 “Functional Imaging in the Diagnosis and Management of Patients with Movement Disorders”, Montovideo, Uruguay
- 24-25 Sept, 1997 “PET FDG Imaging in the Metastases of Breast Cancer Treated with High Dose of Chemotherapy and Stem Cell Support”, Grand Rounds, SUNY/Buffalo, Buffalo, New York
- 6 Oct, 1997 “PET FDG Imaging in the Metastases of Breast Cancer Treated with High Dose of Chemotherapy and Stem Cell Support”, Nuclear Medicine Seminar, Memorial Sloan-Kettering Cancer Center, New York, New York
- 14 Oct, 1997 “SPECT/PET Brain Scans”; “Lung Vent/Perf Scans for PE”; “Detecting Bleeding with Sulfur Colloid”; and “Brain Imaging”, Fall Nuclear Medicine Course, National Naval Medical Center, Bethesda, Maryland
- 24 Oct, 1997 “Emergency Applications of the VQ Scan”. 11th Northeast Reg. Scientific Meeting, Society of Nuclear Medicine, Rye Brook, New York
- 26-30 Oct, 1997 “Role of SPECT and PET-FDG in Brain Tumor Evaluation”, “Functional Imaging in the Era of SPECT, PET and of MRI”, “Clinical PET”, “New Approaches for Infection Imaging”, and “Imaging of Pulmonary Embolism: Lung Scan vs Spiral CT”, 15th Congress of the Latin American Assoc. of Societies of Nuclear Medicine and Biology, Lima, Peru
- 31 Oct 4 Nov, 1997 “FDG-PET Imaging in the Restaging of Breast Cancer before High Dose Chemotherapy with Autologous Stem Cell Support”, Dept of Defense Breast Cancer Research Program Meeting, Era of Hope. Washington D.C.
- 2-4 Nov, 1997 Hyperacute Hyperbaric Oxygen Therapy Meeting, Winston-Salem, North Carolina
- 16-19 Nov, 1997 “Recent Developments in the Diagnosis of Thromboembolic Disorders” “Functional Imaging in the Era of PET, SPECT and fMRI” 29th Annual Conf. of the Soc. of Nuclear Medicine, India & Symposium by the Indo-American Soc. of Nuclear Medicine, Chandigarh, India
- 21-25 Nov, 1997 “Functional imaging and Its Revolutionary Impact in the Practice of Medicine” Celebration of the 100-Jebely of Pavlov Medical University, St. Petersburg, Russia
- 2 Dec, 1997 “Role of PET Scanning in the Drug Development Process-A Novel Approach” Grand Rounds, SmithKline Beecham, Philadelphia, PA
- 4 Dec, 1997 “PET” Lung Cancer Conference, Pulmonology Assoc, Inc., Lankenau, Wynnewood, PA
- 3 March, 1998 “Clinical Applications of PET” Harold L. Atkins Learning Center, HSC, Univ at Stony Brook, New York
- 4 March, 1998 “Didactics Presentation” Dept of Rehabilitation Medicine, Univ. of Pennsylvania, Philadelphia, PA

- 25 March, 1998 “Positron Emission Tomography of Brain Tumors”, Contemporary Concepts in Brain Tumor Therapy: From Genes to Patient Care. Univ. of Pennsylvania Cancer Center, Univ. of Pennsylvania, PA
- 1-2 April, 1998 “18FDG Imaging in the Detection of Inflammation and Infection: Another Important Application” 215th American Cancer Society National Meeting, Dallas, TX
- 9 April, 1998 “Human Acupuncture Research-SPECT Cerebral Blood Flow Mapping Studies”, SCUE Acupuncture Preceptorial, Univ. of Pennsylvania, School of Veterinary Medicine, PA
- 21 April, 1998 “Clinical Applications of Positron Emission Tomography”, Radiology Grand Rounds, Mt. Sinai Medical Center, New York NY
- 22 April, 1998 “Clinical Applications in PET Scanning in Cancer Management”, Hematology/Oncology Grand Rounds, Hershey Medical Center, Penn State Geisinger Health System, Hershey, PA
- 29 April, 1998 “Nuclear Medicine in Urology”, Morning Conference for Urology Residents, Univ. of Pennsylvania, Div. of Urology, PA
- 19 May, 1998 “Functional Neuroimaging of the Brain: Era of PET, SPECT, and fMRI. Alavi-Dabiri Fellowship Award. Children’s Seashore House, Philadelphia, PA
- June, 1998 Normal Patterns and the Effects of Age and Memory Loss in rCBF Brain SPECT. 44th Annual Meeting, Society of Nuclear Medicine, Toronto, Canada
- 29 July, 1998 “Clinical Applications of PET in Oncology”, The Reading Hospital and Medical Center, West Reading, PA
- 29 Aug., 1998 EANM Congress, 1998. “The Role of FDG-PET in the Investigation of Infection and Inflammation”, Bad Berka, Germany
- 31 Aug., 1998 “First Clinical Experience with C-PET at the Univ. of Pennsylvania”, ADAC User’s Meeting, Maarssen, The Netherlands
- 22-23 Sept., 1998 “Results of PET Imaging in Inflammatory or Muskuloskeletal Diseases”, Tuebingen, Germany
- 24-26 Sept., 1998 “Breast Carcinoma”, “Carcinoma of the Colon and Rectum”, Berlin, Germany
- 9-15 Oct., 1998 “Clinical PET, the Role of Scintillation Camera-Based Dedicated Systems”, Beijing, China
- 17 Oct., 1998 “Isotopes in Urology”, Urology Lecture Series, Pennsylvania Hospital Philadelphia, PA
- 23 Oct., 1998 “PET in Clinical Neurology and Psychiatry”, Groningen Univ. Hospital, The Netherlands

- 30 Oct., 1998 “Clinical PET in Brain Disorders and Cancer”, “Recent Advances in Diagnosis of Thromboembolic Disorders”, The Value of Nuclear Medicine in Detection and Localization of GI Bleeding Sites”, Dept. of Navy, Bethesda, MD
- 3-4 Nov., 1998 “SPECT / PET”, Berlex Laboratories, Wayne, NJ
- 6, Nov., 1998 “The Role of Functional Imaging in Age Related Disorders of the Brain” Institute on Aging, Ralston House, Phila., PA.
- 10, Nov., 1998 “Thromboembolic Disease and Nuclear Medicine’s Role”, Community Radiology, Radnor, M. Bleshman’s CME Course, Phila., PA.
- 13-15, Nov., 1998 “The Study Of Neurological Disorders Using Positron Emission Tomography And Single Photon Emission Computed Tomography”, Positron Emission Tomography in Cerebrovascular Disorders”, Single Photon Emission Computed Tomography in Alzheimer’s Disease and Related Disorders”, Argentinian Congress of Neuro-radiology, Rosaio, Argentina
- 3-5, Dec., 1998 “Brain SPECT Imaging”, 30th Annual Conf. of the Society of Nuclear Medicine, Pune, India
- 16, Dec., 1998 “Clinical PET”, guest Lecture Series, Albert Einstein Medical Center, Phila., PA
- 17, Dec., 1998 “PET”, SmithKline Beecham Pharmaceuticals, Collegeville, PA
- 18-19, March, 1999 “Imaging of Malignant Pleural Mesothelioma with PET”, International Conf. of Malignant Pleural Mesothelioma, Udine, Italy
- 26-28, March, 1999 “Functional Brain Imaging in the Era of PET, SPECT and fMRI”, Applications of PET in Oncology”, The Role of FDG-PET Imaging in the Detection of Infection and Inflammation”, C-PET Clinical Symposium Korea Society of Nuclear Medicine, Seoul, Korea
- 22, May, 1999 “Single Photon Emission Computed Tomography (SPECT and Acupuncture”. International Workshop, New Directions In the Scientific Exploration of Acupuncture. Univ. of California, Irvine and the Society for Acupuncture Research. Irvine, CA
- 4-10, June, 1999 45th Annual Meeting, Society of Nuclear Medicine, Los Angeles, CA
- 24, June, 1999 American Cancer Society
- 5-6, August, 1999 “In Vivo Beta Cell Imaging”, JDFI-Penn Comprehensive Islet Transplantation Program. Univ of Penn Medical Ctr, Philadelphia, PA
- 18, Sept., 1999 “The Role of Positron Emission Tomography in the Management of Lung Cancer”, Pennsylvania Thoracic Society, Harrisburg, PA
- 18, Sept., 1999 “Advancements in Lung Scanning”, Delaware Valley Society of Nuclear Medicine Technologists, Presbyterian Medical Center, Phila., PA

- 22, Sept., 1999 "Molecular Imaging with PET and SPECT", Gastroenterology Grand Rounds, Children's Hospital of Philadelphia, Philadelphia, PA
- 23, Oct., 1999 "Emergencies in Nuclear Medicine", Cornell, PA
- 5, Nov., 1999 Case Discussion by Panel, Current Concepts in the Management of Thyroid Cancer. University of Pennsylvania Cancer Center, Phila., PA
- 6, Nov., 1999 "PET/Oncology", NE Regional Scientific Meeting, Phila., PA
- 8, Dec., 1999 "The Role of PET in the Detection of Infection & Inflammation", Leuven, Belgium
- 10, Dec., 1999 3rd Cologne PET Symposium, Max-Planck-Institut for Neurologische Forschung, Cologne, Germany
- 13, Jan., 2000 PET & Other Advanced Nuclear Medicine Techniques", Delaware Society for Clinical Oncology, Wilmington, DE
- 8, Feb., 2000 "The Critical Role of PET Imaging in the Management of Patients with Cancer", South Jersey Oncology Network, The Mansion, Voorhees, NJ
- 16, Feb., 2000 "Research Update", Income Tax Check-off Program for Breast Cancer Research., Pennsylvania Breast Cancer Coalition, Norristown, PA
- 3, March, 2000 "The Clinical Application of Positron Emission Tomography in Oncology", Hahnemann University Hospital, Philadelphia, PA
- 11, March, 2000 "PET in Radiation Oncology", International Congress New Trends in Radiotherapy, Turino, Italy
- 18, March, 2000 "Thoracoscopy in Pleural Malignant Mesothelioma", Congress on Pleural Malignant Mesothelioma, Lignano, Italy
- 20, March, 2000 "FDG-PET in Inflammatory and Infectious Disorders", Memorial Sloan-Kettering Cancer Center, New York, NY
- 25, March, 2000 "Imaging of Gene Expression", Symposium on Gene Therapy, San Diego, CA
- 3-4, April, 2000 "FDG PET in Oncology" "Neuro Nuclear Medicine Imaging", Visiting Professor's Program of Diagnostic Radiology, McGill University, Montreal, Quebec, Canada
- 10-13, April, 2000 "Clinical PET, the Future of Nuclear Medicine", "Evolving Role of Imaging Techniques in the Diagnosis of Thrombo-Embolic Disorders", "Imaging of Infection and Inflammation", "Functional Imaging of Central Nervous Disorders", Molecular Imaging; A Revolution of the 21<sup>st</sup> Century", United Arab Emirates Radiology and Diagnostic Imaging Conference, Sharjah
- 25, April, 2000 "PET", American Radiology Services PET meeting. Baltimore, MD



- 6, May, 2000 "The Critical Role of Positron Emission Tomography (PET) in Modern Oncology", 1<sup>st</sup> Annual New Jersey Physicians Conference, Academy of Medicine of NJ, Atlantic City, NJ
- 25, May, 2000 "Clinical PET in Oncology", Annual Meeting of the Ontario Section of Nuclear Medicine/Ontario Medical Assoc. London, Ontario
- 1-7, June, 2000 47<sup>th</sup> Annual Society of Nuclear Medicine Meeting. St. Louis, MO
- 13, July, 2000 "Images of Infection" St. Teresa's Hospital, Kowloon, Hong Kong
- 3, August, 2000 "The Critical Role of PET Imaging in the Management of Patients with Cancer", Capital Health System, Trenton, NJ
- 7-8, Sept., 2000 "PET" Workshop on Hypoglycemia and the Brain, Sponsored by The National Institutes of Health, Juvenile Diabetes Foundation, and American Diabetes Association, Tyson's Corner, VA
- 14, Sept., 2000 "The Critical Role of PET Imaging in the Management of Patients with Cancer", Shore Memorial Hospital CME Presentation, Somers Point, NJ
- 18, Sept., 2000 "PET" Semi-Annual Meeting, Pediatric Brain Tumor Consortium, Sponsored by The National Institutes of Health, Arlington, VA
- 22, Sept., 2000 "Future Applications of PET in Clinical Medicine", Prairie Provinces Society of Nuclear Med. Annual Mtg, Cross Cancer Inst. PET Symposium, Alberta, Canada
- 1-5, Oct., 2000 "FDG Imaging in Nuclear Oncology", 7<sup>th</sup> Asia & Oceania Congress of Nuclear Medicine and Biology, Istanbul, Turkey
- 12, Oct., 2000 "Recent Advances in Pulmonary Imaging", Pulmonary Update Conference, Union Memorial Hospital, Baltimore, MD
- 14-16, Oct., 2000 "Clinical PET", Iranian Congress of Nuclear Medicine, Tabriz, Iran
- 18-20, Oct., 2000 "The Critical Role of PET Imaging in the Management of Patients with Cancer", FICR-2000, International Conference on Radiation and its Role in Diagnosis and Treatment, Tehran, Iran
- 22-23, Oct., 2000 "The PET Imaging", Pleural Mesothelioma - The Clinical Pathological Diagnosis, Congress on Pleural Mesothelioma, Brescia, Italy
- 31, Oct., 2000 "Clinical PET on Brain Disorders and Cancer", "Recent Advances in Diagnosis of Thromboembolic Disorders", "The Value of NUCMED in Detection and Localization of GI Bleeding", and "SPEC/PET Brain Scans, Lung Ventilation/Perfusion Scans for Pulmonary Embolism", "Detecting Bleeding with Sulfur Colloid", and "Brain Imaging", Medical Officer's Course in Nuclear Medicine and Radioisotope Techniques, Fall Nuclear Medicine Course at the National Naval Medical Center, Bethesda, MD
- 3, Nov., 2000 The Third International Symposium on Fibrodysplasia Ossificans Progressiva (FOP), Wyndam Franklin Hotel, Philadelphia, PA

- 9, Dec., 2000 Nuclear Medicine Education Award Program, Department of Energy Advanced Nuclear Medicine Initiative, Office of Nuclear Energy, Science & Technology, Washington, D.C.
- 9-10, Feb., 2001 28<sup>th</sup> Annual Meeting and Scientific Sessions, “Nuclear Medicine: Practice and Practicality in the Current Climate”, American College of Nuclear Medicine, Tampa, FL
- 23, Feb., 2001 “Nuclear Imaging Modalities for the Diagnosis of Lung Disease”, Thomas Jefferson University, Pulmonary Conference, Philadelphia, PA
- 4, March, 2001 “PET Imaging in Oncologic Patients”, 26<sup>th</sup> Annual Scientific Meeting, SCVIR 2001, San Antonio, TX
- 12-13, March, 2001 SAIRP Investigators Meeting, Tucson, Az
- 17-23, March, 2001 Visiting Professor to discuss The State of the Field, Nuclear Medicine Commissioned Training 2000/2001, Hospital Authority of Hong Kong , Queen Elizabeth Hospital, Hong Kong.
- 28, March, 2001 “Functional versus Structural Imaging”, Trenton Psychiatric Hospital, West Trenton, NJ
- 6, April, 2001 Forum for Career Enlightenment, The Philadelphia Persian Society and Shabahang (The Iranian Culture Society of America), Rosemont College, Rosemont, PA
- 19, April, 2001 “Thromboembolic Disorders” and “Functional Metabolic Imaging”, Radiological Society of New Jersey 2000/2001 Conference Series, UMDNJ, Robert Wood Johnson University Hospital, New Brunswick, NJ
- 29, May, 2001 “Critical Role of PET in the Management of Patients with Cancer”, St Barnabas Medical Center, Livingston, NJ
- 2-3, June, 2001 “Evolving Role of PET in the Management of Patients with Cancer”, 2001 Annual Meeting of the Chinese Medical Association of the Republic of China, Advances in Clinical SPECT and PET, National Defense Medical Center, Taipei, Taiwan, R.O.C.
- 21-27, June, 2001 48<sup>th</sup> Annual Society of Nuclear Medicine Meeting, Contemporary Clinical Application of Brain Imaging in Nuclear Medicine: “Assessment of Brain Tumors by SPECT and PET”, Brain Imaging Course: Read with the Experts – “Brain Tumor Imaging Using SPECT and PET Radiopharmaceuticals”, Toronto, Canada
- 12, July, 2001 PET Scan Presentation, The Chester County Hospital, New Technology Committee Meeting, West Chester, PA
- 20, July, 2001 “The Critical Role of PET Imaging in the Management of Patients with Cancer”, Pocono Medical Center, East Stroudsburg, PA

- 25-29, August, 2001 Diagnosis and Management of Pulmonary Embolism: “Role of Ventilation/Perfusion Scan” and “Detection of DVT”, European Association of Nuclear Medicine Annual Congress, Naples, Italy
- 5, Sept., 2001 “The Revolutionary Impact of PET on the Day to Day Practice of Medicine”, Radiology Grand Rounds, Department of Radiology, Albert Einstein Medical Center, Philadelphia, PA
- 28-29, Sept., 2001 2001 Annual Convention of the Puerto Rican Society of Nuclear Medicine, San Juan, PR
- 17-19, Oct., 2001 “Recent Developments in PET”, 41<sup>st</sup> Annual Meeting of the Japanese Society of Nuclear Medicine, Kanazawa, Japan
- 31, Oct., 2001 “Clinical PET on Brain Disorders and Cancer”, “Recent Advances in Diagnosis of Thromboembolic Disorders”, “The Value of NUCMED in Detection and Localization of GI Bleeding”, and “SPEC/PET Brain Scans, Lung Ventilation/Perfusion Scans for Pulmonary Embolism”, “Detecting Bleeding with Sulfur Colloid”, and “Brain Imaging”, Medical Officer’s Course in Nuclear Medicine and Radioisotope Techniques, National Naval Medical Center, Bethesda Naval Hospital, Bethesda, MD
- 20, Nov., 2001 “The Critical Role of PET Imaging in the Management of Patients with Cancer”, Lancaster General Hospital, Lancaster, PA
- 12, Dec., 2001 “The Revolutionary Impact of PET Scanning on the Practice of General Medicine”, Medicine Grand Rounds, Albert Einstein Medical Center, Philadelphia, PA
- 1-2, Feb., 2002 Radiation Therapy Oncology Group Bi-Annual Meeting, Tampa, FL
- 7, Feb., 2002 “Emerging Role of PET in the Day to Day Practice of Medicine”, Blue Ribbon Lecture, Philadelphia Roentgen Ray Society, Philadelphia, PA
- 13, Feb., 2002 Mount Sinai Medical Center, Department of Nuclear Medicine, New York, NY
- 9-10, Feb., 2002 2002 Society of Nuclear Medicine Mid-Winter Educational Symposium, Scottsdale, AZ
- 4, April, 2002 “Molecular Imaging in the 21<sup>st</sup> Century”; “The Revolutionary Impact of PET in the Day to Day Practice of Medicine”, Medical and OB/GYN Grand Rounds; “PET Imaging in Oncology”, Tumor Board; “The Role of V/Q Scan and PET”; Department of Radiology, Rochester General Hospital Association Teaching Fellowship, Rochester, NY
- 16, April, 2002 “The Revolutionary Impact of PET Imaging on the Practice of Medicine”, Grand Rounds, Brigham and Women’s Hospital, Department of Radiology, Brookline Village, MA
- 20, April, 2002 “25 Years Experience with FDG Imaging of the Brain: What Have We Learned?” 32<sup>nd</sup> Annual Meeting, Mid-Eastern Chapter, Society of Nuclear Medicine, Ocean City, MD

- 21, April, 2002 "PET Imaging", 49<sup>th</sup> Annual Meeting of the Radiation Research Society, Reno, NV
- 27-28, April, 2002 "Current Status of FDG Imaging with PET and Hybrid Cameras", "Critical Role of FDG-PET in the Management of Patients with Cancer", "Molecular Imaging in the 21<sup>st</sup> Century", "Evolving Role of FDG-PET in CNS Inflammatory Disorders", 32<sup>nd</sup> Jornada Paulista de Radiologia 2002, Sociedade Paulista de Radiologia, Sao Paulo, Brazil
- 3-4, May, 2002 "Role of Functional Imaging in CNS Disorders", "FDG-PET Imaging in Infection and Inflammation", "Recent Advances in the Diagnosis of Thromboembolism", "Future Applications of Molecular Imaging", "FDG-PET Imaging in Oncology", 23<sup>rd</sup> Spring Roentgen Conference, New Orleans Radiology Society, Tulane University Health Sciences Center, New Orleans, LA
- 22, May, 2002 "The Revolutionary Impact of FDG-PET Imaging in the Management of Patients with Cancer, The Chester County Hospital, West Chester, PA
- 15-19, June 2002 49<sup>th</sup> Annual Meeting of the Society of Nuclear Medicine, "Brain Imaging -- Read with the Experts", "Brain Tumor Imaging Using SPECT & PET Radiopharmaceuticals", "Sensitivity of FDG-PET for different types of non-hodgkins' lymphoma as defined by WHO/real classification", Los Angeles, CA
- 28-29, June, 2002 2002 Semi-Annual Meeting, American Board of Nuclear Medicine, Whitefish, Montana
- 19, July 2002 "Revolutionary Impact of PET on the Day-To-Day Practice of Medicine", Grand Rounds, St. Christopher's Hospital for Children, Philadelphia, PA
- 22-25, July 2002 "FDG-PET in the Evaluation of Infection", "Application of FDG-PET in the Investigation of Atherosclerosis", "Neuroimaging with FDG-PET in Neuropsychiatric disorders including Brain Tumors", "PET in Malignant Melanoma", PET & Nuclear Cardiology Congress In Ireland, Case Western Reserve University School of Medicine, University Hospitals of Cleveland Department of Radiology, The Institute of Radiological Science, University College Dublin, Killarney, Ireland
- 6, September 2002 "PET Imaging in Oncology", Medical Grand Rounds, "PET Brain Imaging", "PET Single Pulmonary Nodules", Tacoma General Hospital, Multicare Health System, Tacoma, WA.
- 17, September 2002 "PET Indications and Techniques", Grand Rounds, Doylestown Hospital, Doylestown, PA
- 20, September 2002 "Applications of PET in Oncology", Bryn Mawr Hospital Tumor Board, Bryn Mawr, PA
- 23, September 2002 Women's Imaging Conference, Department of Radiology, University of Pennsylvania School of Medicine, The Rittenhouse Hotel, Philadelphia, PA

- 23, September 2002 “FDG-PET Imaging in the Day-To-Day Practice of Medicine”, Holy Redeemer Hospital Noon CME Conference, Holy Redeemer Hospital and Medical Center, Meadowbrook, PA
- 29, September 2002-“The Role of PET Imaging in Infection and Inflammation”, 8<sup>th</sup> Congress of the  
- 3, October 2002 World Federation of Nuclear Medicine & Biology, Santiago, Chile
- 4, October 2002 “PET Scanning as a Diagnostic Tool in Lymphomas”, 2<sup>nd</sup> Biennial Symposium on Biology, Diagnosis, and Treatment of Lymphomas, University of Pennsylvania Cancer Center, Philadelphia Marriott West Hotel, West Conshohocken, PA
- 19-21, October 2002 “Applications of FDG-PET in Cardiac, Atherosclerotic and Muscle Disorders”, “PET in Oncology”, Sixth Annual Meeting of Nuclear Medicine in Iran, Mashad, Iran
- 25-27, October 2002 2002 Annual Conference of the Academy of Molecular Imaging, San Diego, CA
- 29, October 2002 National Press Club Forum on “Where is brain research leading us in the fields of spirituality, learning and the law? Washington, D.C.
- 4, November 2002 “SPEC/PET Brain Scans, “Lung Ventilation”. “Perfusion Scans for Pulmonary Embolism”, “PET Imaging”, Medical Officer’s Course in Nuclear Medicine and Radioisotope Techniques, National Naval Medical Center, Bethesda, MD.
- 6, November 2002 “PET”, Penn Medicine at Radnor, Radnor Monthly Lecture Series, Radnor, PA
- 21, November 2002 Oncology Grand Rounds, Radiology Grand Rounds, University of Medicine and Dentistry of New Jersey, Newark, NJ
- 25-26, January 2003 Society of Nuclear Medicine 2003 Mid-Winter Educational Symposium, Hollywood, FL
- 3-7, February 2003 “Revolutionary Impact of FDG-PET Imaging in Oncology”, 2<sup>nd</sup> Annual General Meeting of the Asian Regional Cooperative Council for Nuclear Medicine, Dhaka, Bangladesh
- 7, February 2003 “The Revolutionary Impact of FDG-PET Imaging in the Practice of Medicine”, Thaiianese Society of Nuclear Medicine, Bangkok, Thailand
- 12, February 2003 “The Revolutionary Impact of FDG-PET Imaging in the Practice of Medicine”, Department of Radiology, Grand Rounds, New York Presbyterian Hospital-Columbia University, New York, New York
- 4, March 2003 “Evolving Role of FDG-PET in the Management of Patients with Cancer”, Hematology/Oncology Seminar, Children’s Hospital of Philadelphia, Philadelphia, PA
- 1, May 2003 “Update on PET in Oncology”, Pulmonary Grand Rounds, Lankenau Hospital, Wynnewood, PA

- 1, May 2003 Scientific Review Group, Department of Health and Human Services, Public Health Services, National Institutes of Health, National Cancer Institute Special Emphasis Panel, Bethesda, MD
- 3, May 2003 “The Future of PET”, “Read with the Experts”, Greater New York Chapter of the Society of Nuclear Medicine (Technologists Section), Wyndham Franklin Hotel, Philadelphia, PA
- 6, May 2003 “PET applied to Clinical Oncology”, Ireland Cancer Center, Case Western Reserve University, Cleveland, OH
- 5, June 2003 American Board of Nuclear Medicine, Board of Directors Meeting, Cape Cod, MA
- 18, June 2003 Trauma Research Fellowship Site Visit, Scientific Review Group, Department of Health and Human Services, Public Health Services, National Institutes of Health, National Cancer Institute, University of North Carolina at Chapel Hill, NC
- 20-25, June 2003 50<sup>th</sup> Annual Meeting of the Society of Nuclear Medicine, ““Brain Imaging -- Read with the Experts”, “Brain Tumor Imaging Using SPECT & PET Radiopharmaceuticals”, New Orleans, LA
- 15, July 2003 Scientific Review Group, Department of Health and Human Services, Public Health Services, National Institutes of Health, National Institute of General Medical Sciences Special Emphasis Panel, Bethesda, MD
- 21, July 2003 National Youth Leadership Forum on Medicine “What’s Your Specialty” Medical Seminar, Villanova, PA
- 1-5, September 2003 “SPECT, Gamma camera PET, PET and CT-PET: Evolution of radionuclide imaging procedures and their significance to the practice of nuclear medicine in the developing countries”, “Evaluating treatment response using SPECT & PET”, “Utility of FDG-PET scanning in lymphoma by WHO classification”, “Normal patterns and variants in single-photon emission computer tomography and positron emission tomography brain”, “Neuro imaging in patients with head injury”, Future trends in molecular imaging”. Regional training course on “Clinical Applications of SPECT and PET”, International Atomic Energy Agency, University Parthenope of Naples, Napoli, Italy.
- 11, September 2003 “PET scanning in the staging and management of breast cancer: is there sufficient data to adopt a new imaging technique?”, 6<sup>th</sup> Annual Changing Concepts in Breast Cancer, Abramson Cancer Center of the University of Pennsylvania, The Rittenhouse Hotel, Philadelphia, PA
- 13, September 2003 “PET in the diagnosis of CNS Disorders”, “Advanced PET imaging in infection and inflammation”, 88<sup>th</sup> Annual Meeting of the Pennsylvania Radiological Society, Hershey, PA
- 3, October 2003 “Evolution of the Past, Present, and Future of Nuclear Medicine”, Taplin Lecturer at the 28<sup>th</sup> Annual Western Regional Meeting, Anaheim, CA.

- 6-7, October 2003 “Role of FDG-PET in the evaluation of AD”, “PET in the evaluation of cognitive impairment”, Nuove Prospettive Cliniche della PET E Della PET-TC, Bologna, Italy
- 9, October 2003 “Implications of Molecular Imaging in the day to day practice of medicine”, Catalan Society of Nuclear Medicine, Barcelona, Spain
- 12, October 2003 "Evolving Role of FDG PET imaging in the detection of infection and inflammation", “Implications of Molecular Imaging in the day to day practice of medicine”, 2003 Annual Meeting of the Society of Nuclear Medicine of Puerto Rico, San Juan, PR
- 20-21, October 2003 "The Revolutionary impact of Positron Emission Tomography Imaging – PET scans further the capacity to measure response to cancer treatments”, The Center for Business Intelligence’s Medical Imaging for Oncology Clinical Trails, Cherry Hill, NJ
- 24-24, October 2003 Society of Nuclear Medicine Neurologic PET Faculty Meeting, Chicago, IL
- 3, November 2003 “SPECT/PET Brain Scans, “Lung Ventilation”. “Perfusion Scans for Pulmonary Embolism”, “PET Imaging”, Fall Medical Officer’s Course in Nuclear Medicine, National Naval Medical Center, Bethesda, MD.
- 13, November 2003 “Implications of Molecular Imaging for Current and Future Practice of Medicine”, Surgical Ground Rounds, Department of Surgery, Jefferson Medical College, Philadelphia, PA
- 19-23, Nov. 2003 “The role of FDG-PET imaging in the detection and monitoring of infection and inflammation”, IV Scientific Meeting of the Brazilian Society of Nuclear Biosciences, Natal, Brazil
- 1, December 2003 Scientific Review Group, Department of Health and Human Services, Public Health Services, National Institutes of Health, National Institute of General Medical Sciences Special Emphasis Panel, Bethesda, MD
- 19, December 2003 GlaxoSmithKline Advisory Board Meeting, Phila., PA
- 7, January 2004 Boston Life Sciences Clinical Investigator’s Meeting, Boston, MA
- 12, January 2004 “Molecular Imaging in the 21<sup>st</sup> Century”, 2004 Annual Meeting of the American College of Nuclear Physicians, San Marco Island, FL
- 13-17, January 2004 70<sup>th</sup> Mid-Winter Meeting of the American Board of Nuclear Medicine, Grand Bahama Island
- 19-24, January 2004 “Functional and metabolic imaging of brain tumors”, “Molecular Imaging with PET. Prospects for the 21<sup>st</sup> Century”, International Atomic Energy Agency International Symposium on Nuclear Oncology, Porto Alegre, Brazil
- 2-6, February 2004 2004 Mid-Winter Educational Symposium of the Society of Nuclear Medicine, Anaheim, CA

- 14-18, February 2004 “Introduction to PET”, “PET Radiopharmaceuticals and Instrumentation”, Normal scans and variants”, PET Imaging in CNS Disorders including brain tumors”, PET in the assessment of head and neck malignancies and melanomas”, “PET in the management of patients with lymphomas”, “PET in the workup of patients with lung nodules and lung cancer”, “PET imaging in GI and other malignancies – case presentation”, “PET in infection and inflammation and other benign disorders”, “Molecular Imaging in the 21<sup>st</sup> Century”, the Programme for mid-Feb 2004 at the CME course on Updates on PET and Nuclear Oncology, Ministry of Health, Kuwait Institute for Medical Specialization, Faculty of Radiology & Nuclear Medicine, Health Sciences Centre, Faculty of Medicine, Kuwait
- 26, February 2004 “Update on PET”, Holy Redeemer Hospital, Philadelphia, PA
- 11, March 2004 “Radioimmunotherapy for Non-Hodgkin’s Lymphoma”, Lehigh Valley Society of Nuclear Medicine, Bethlehem Chapter, Bethlehem, PA
- 20, March 2004 “The role of PET/CT and SPECT/CT Imaging in Medical, Radiation, Surgical & Nuclear Oncology”, Johns Hopkins University School of Medicine, CME Course, Baltimore, MD
- 27, March 2004 “Seizures and Disorders”, “PET: Infection and inflammation”, American College of Nuclear Medicine Scientific Sessions and Annual Meeting, Orlando, FL
- 28, March 2004 “Clinical Imaging Protocols: Con-PET/CT”, Academy of Molecular Imaging Annual Conference, 2004, Kissimmee, FL
- 15, April 2004 “PET Imaging and Cancer”, The 4<sup>th</sup> Jordan Oncology Society Conference, The 1<sup>st</sup> King Hussein Cancer Center – NCI (USA) Conference, Amman, Jordan
- 17, April 2004 “Seizures and Disorders”, “Brain Tumors”, Neurological PET: Expanding Neurology, PET Learning Center, Society of Nuclear Medicine, Arlington, VA
- 20, April 2004 “Radioimmunotherapy for follicular NHL: Nuclear medicine/radiation oncology perspectives”, BEXXAR Webconference, GlaxoSmithKline, Philadelphia, PA
- 22, April 2004 “The Revolutionary Impact of Positron Emission Tomography Imaging – PET Scans Further the Capacity to Measure Response to Cancer Treatments”, The Center for Business Intelligence’s Medical Imaging for Oncology Clinical Trails, San Diego, CA
- 30, April 2004  
1, 2, May 2004 Society of Nuclear Medicine Education Research Foundation Board of Directors Retreat, Lansdowne, VA
- 11-13, May 2004 “Evolving role of medical cyclotrons in the day to day practice of nuclear medicine”, “The state of PET instrumentation including that of modern generation PET-CT machines”, “The impact of PET in the management of patients with cancer and other serious disorders”, The 6<sup>th</sup> Iranian Congress of Medical Physics, Mashhad, Iran
- 26, May 2004 “Role of PET in diagnosing and staging of lung cancer”. The Chester County Hospital Annual Spring Cancer Symposium, West Chester, PA



- 19, June 2004 “Pro’s and Con’s of PET vs PET/CT”, 51<sup>st</sup> Annual Meeting of the Society of Nuclear Medicine, Philadelphia, PA
- 22, June 2004 “Brain Tumor Imaging using PET Radiopharmaceuticals”, 51<sup>st</sup> Annual Meeting of the Society of Nuclear Medicine, Philadelphia, PA
- 26, June  
1, July 2004 Annual Meeting of the Board of Directors, American Board of Nuclear Medicine, Quebec City, Canada
- 15-16, July 2004 Special Emphasis Panel, NIH Roadmap Curriculum Development Award in Interdisciplinary Research, Department of Health and Human Services, Public Health Services, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, MD
- 2-3, August 2004 Special Emphasis Panel, National Institute of Diabetes and Digestive and Kidney, Reviewer of Grant Application submissions, Training for a new Interdisciplinary Research Workforce, Department of Health and Human Services, Public Health Services, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, MD
- 3-4, August 2004 “New Applications of PET scans”, WellStar Cancer Program, Cancer Educational Conference, Cobb General Hospital, Marletta, GA
- 4-6, November 2004 “Recent developments in PET Instrumentation and Radiopharmaceutical Preparation”, “PET Imaging in Staging Lung Cancer”, “PET Imaging In the Management of Patients with Lymphoma”, “PET in CNS Disorders including Brain Tumors and Seizure Disorders”, “Evolving role of PET in the management of patients wit infection and inflammation”. 1<sup>st</sup> National Chilean Nuclear Medicine Congress, Chilean Society of Nuclear Medicine, Santiago, Chile
- 15, November 2004 Novel Imaging Technologies Study Section, Center for Scientific Review, National Institutes of Health, Department of Health and Human Services, Marriott Tysons Corner, Vienna, VA
- 17-18, November  
2004 “Molecular Imaging with PET, A Revolution in Medicine”, “The Role of PET in the management of Patients with Lymphoma”, “The Evolving Role of Radioimmunotherapy in the treatment of Non-Hodgkin’s Lymphomas”, The 8<sup>th</sup> Iranian Annual Meeting of Nuclear Medicine, Tehran, Iran
- 1, December 2004 “Molecular Imaging”, Community Radiology Radnor CME Lecture, Radnor, PA
- 13-16, January 2005 Board Meeting, American Board of Nuclear Medicine, The Legends, Whistler, Canada
- 17, January 2005 “Thyroid Cancer Imaging and Therapy Update (rhTSH and role of I-123)”, 31<sup>st</sup> Annual Meeting of the American College of Nuclear Physicians, San Diego, CA
- 24, 25, January 2005 “Fusion (molecular) imaging”, “SPECT & PET in Brain Tumor Imaging, 58<sup>th</sup> Annual Congress Indian Radiological & Imaging Assoc., Hotel Jaypee Palace, Agra, India

- 28-29, January 2005 “Clinical Advances in Brain PET and SPECT Imaging – 2005”, Society of Nuclear Medicine 2005 Mid-Winter Educational Symposium, Saddlebrook Way, Wesley Chapel, FL
- 8, February 2005 “Molecular Imaging with PET – a revolution in medicine”, Mercy Health System/Nazareth Hospital, Philadelphia, PA
- 1-3, March 2005 “Molecular Imaging with PET, A Revolution in Medicine”, “Recent Advances in PET Instrumentation and Radiopharmaceuticals”, “Evolving Role of FDG-PET in Assessing Benign Disorders and Diseases” First Gulf Nuclear Medicine Conference, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia
- 7, March 2005 Innovations in Biomedical Computational Science and Technology R21/R33 2005/05 Study Section Meeting, Center for Scientific Review, National Institutes of Health, Bethesda, MD
- 14, March 2005 CME course on Updates on PET and Nuclear Oncology, Ministry of Health, Kuwait Institute for Medical Specialization, Faculty of Radiology & Nuclear Medicine, Health Sciences Centre, Faculty of Medicine, Kuwait
- 14, March 2005 “Modern Imaging of thyroid cancer including I-123 and PET”, Continuing Medical Education Activities, Faculty of Radiology & Nuclear Medicine for Kuwait Institute for Medical Specialization, Health Sciences Centre, Faculty of Medicine, Safat, Kuwait
- 30, March 2005 “Molecular Imaging with PET: A Revolution in Medicine”. Adventist HealthCare Hackettstown Community Hospital, Hackettstown, NJ
- 1, April 2005 “Use of I-123 and PET Scanning in Thyroid Disease”, New England Thyroid Club Annual Meeting, Waltham Woods, MA
- 2, April 2005 “New developments in Neuroimaging”, New York Academy of Traumatic Brain Injury Annual Conference, “Neuroimaging: current developments; implications for assessment and treatment; neurobehavioral correlates”, St. Vincent’s Medical Center, Manhattan, NY
- 6-8, April 2005 “Role OF PET in Oncology”, “Role of PET”, XII Refresher Course and Giornate Bresciane XVI th Edition of Thoracic Radiology, Brescia, Italy
- 8, April 2005 “PET scan in Genito-urinary Malignancies”, First King Hussein Cancer Center (KHCC), International Symposium on Advances in Genito-urinary Cancer Treatment, Amman-Jordan.
- 13, April 2005 “PET imaging advances and future trends”, American Association of Physicists in Medicine Spring Symposium “Advances in Imaging and Radiation Therapy”, Delaware Valley Chapter, Abington Memorial Hospital, Abington, PA
- 19, April 2005 “PET: A Revolution in Medical Imaging”, “The Evolving Role of PET in Managing Patients with Suspected Infection or Inflammation”, “The Role of PET in CNS Disorders”, “Investigation of Lung Nodules and Lung Cancer with PET”. Walter Reed Army Medical Center Radiology Conference - AMEDD Radiology

Current Concepts in Imaging 2005, Uniformed Services University School of Medicine, Bethesda MD

- 29, April 2005 "An update of positron emission tomography (PET) imaging in the investigation of inflammatory processes". Centocor, Inc., Wayne, PA
- 4, May 2005 "Introduction to PET", Department of Radiology Visiting Professor Lecture Series, Mercy Fitzgerald Hospital, Darby, PA
- 4-9, June 2005 ABNM Certification, Recertification and In-Training, Annual Meeting of the Board of Directors, American Board of Nuclear Medicine, Victoria, British Columbia
- 16, June 2005 New Approaches to Brain Tumor Therapy Consortium Spring Meeting, Johns Hopkins NABTT, BWI Airport Marriott, Baltimore, MD
- 17, June 2005 NIH Roadmap Review, Interdisciplinary Training Grant, Conference Call
- 19-22, June 2005 Co-Moderator, Read with the Experts, "Functional Brain Imaging", Presenter: "Brain Tumor Imaging using PET Radiopharmaceuticals", Moderator, "Oncology – Clinical Diagnosis: PET Imaging of Lung Cancer", Presenter: "Infection Imaging and FDG", Co-Moderator, "Oncology – Basic Science: Therapy Monitoring", Moderator, "Neurosciences – Neurology: Neuro-Oncology", 52<sup>nd</sup> Annual Meeting of the Society of Nuclear Medicine, Toronto, Canada
- 28, June 2005 "An update of positron emission tomography (PET) imaging in the investigation of inflammatory processes". Centocor, Inc., Radnor, PA
- 18, July 2005 Special Emphasis Panel, National Institutes of Health, Center for Scientific Review, "Innovations in Biomedical Computational Science and Technology", Embassy Suites Hotel, Washington, DC
- 15-16, August 2005 "Current and future applications of functional imaging in CNS", "Molecular imaging with PET: A revolution in medicine", "Evolving role of FDG PET in managing infection and inflammation", 4th Annual General Meeting of Asian Regional Cooperative Council for Nuclear Medicine, Bangkok, Thailand
- 19, September 2005 "Molecular Imaging in Medicine", New Trends in Molecular Imaging and Nuclear Medicine, University of Bologna, Brescia, Italy
- 19, September 2005 Peer Review, Department of Radiological and Histopathological Sciences, University of Bologna, Brescia, Italy
- 29, September 2005 "Molecular Imaging with PET: Revolution in Medicine", The Department of Radiological Sciences School of Medicine, University of California, Irvine
- 30, September 2005 "Radionuclide imaging of atherosclerosis: role of FDG", 2005 American Society of Nuclear Cardiology 10<sup>th</sup> Annual Scientific Session, Seattle, Washington
- 3, October 2005 Center for Scientific Review Special Emphasis Panel, National Institutes of Health, Department of Health and Human Services, ZRG1 SB1B-J 50 R, PAR-

04-023: Bioengineering Research Partnerships, St. Gregory Hotel & Suites, Washington, DC

- 13, October 2005 Special Emphasis Panel Center for Scientific Review, National Institutes of Health, Department of Health and Human Services, ZRG1 IDM-A 91 S: Musculoskeletal Infection, Single Telephone Review
- 17, October 2005 Chair, Neuroendocrine Tumours Scientific Session, 2005 Annual Congress of the European Association of Nuclear Medicine, Istanbul, Turkey
- 21, October 2005 “Molecular Imaging with PET: Revolution in Medicine”, Oncology Grand Rounds, Indiana University Cancer Center, Indiana University School of Medicine, Indianapolis, IN
- 24, October 2005 Special Emphasis Panel, National Institutes of Health, Center for Scientific Review, ZRG1 SB1B-Q 50 R, PAR-03-106: Innovations in Biomedical Computational Science and Technology, Hyatt Regency Hotel, Bethesda, MD
- 25, October 2005 Special Emphasis Panel, National Institutes of Health, Center for Scientific Review, ZRG1 SB1B-Q 13 B, Small Business Novel Technologies for In Vivo Imaging and Image-guided Cancer Interventions, Hyatt Regency Hotel, Bethesda, MD
- 28, October 2005 Workshop “Differentiation of focal form of congenital hyperinsulinism by L-DOPA-PET, Palais am Festungsgraben, Berlin, Department of General Pediatrics and Neonatology, Medical Faculty, Otto-von-Guericke-University, Germany
- 4, November 2005 Society of Nuclear Medicine, Board of Directors Meeting, Dallas, TX
- 11-12, November 2005 PET Investigator Network Meeting, GE Healthcare, Princeton, NJ
- 14, November 2005 “FDG-PET Scan: Role in staging and as a predictor of post-treatment outcome in Lung Cancer”, Conference on Cancer of the Lung and Mediastinum, Kuwait Ministry of Health, Kuwait
- 18, November 2005 “PET-CT imaging in the staging and assessment of melanoma metastases” Perspectives in Melanoma IX Conference, Eastern Cooperative Oncology Group, University of Pittsburgh Medical Center, Tampa, FL
- 10, December 2005 “PET CT - A Revolution in Medicine”, “Impact of Dual Time PET Imaging”. 2005 Annual Conference of the Society of Nuclear Medicine (India), Calicut, Kerala, India
- 12, December 2005 “PET”. 9<sup>th</sup> Iranian Congress of Nuclear Medicine, Teheran, Iran
- 15, December 2005 External Expert, PhD Defense Jury, “Monte Carlo and experimental assessment of CT-based attenuation correction in PET”, Université de Genève Examining Committee, Geneva, Switzerland
- 12-16, January 2006 74<sup>th</sup> Meeting of the American Board of Nuclear Medicine, San Marco Island, FL

- 1, February 2006 "Alzheimer & PET". Holy Redeemer Hospital CME Program, Meadowbrook, PA
- 14, February 2006 "Alzheimer & PET". Radiologists Group @ Holy Redeemer Hospital, Meadowbrook, PA
- 18, February 2006 Recipient, Best Mentor Award, Annual Meeting, American College of Nuclear Physicians, Ft. Lauderdale, FL
- 25, February 2006 "The future of FDG in infection imaging", 27<sup>th</sup> Annual High Country Nuclear Medicine Conference, Vail, CO
- 27-28, February 2006 Reviewer, Special Emphasis Panel, National Institutes of Health, Center for Scientific Review, ZRG1 SBIB-Q 50 R, Biomedical Imaging and Bioinformatics, Holiday Inn Select, Bethesda, MD
- 28, February 2006 Reviewer, Special Emphasis Panel/Scientific Review Group, 2006/05 AMS (1),  
1 March Arthritis and Musculoskeletal and Skin Diseases Special Grants Review Committee, National Institutes of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Hyatt Regency Bethesda, Bethesda, MD
- 18, March 2006 "PET Scan in Head and Neck Cancers", 5th International Conference, Rajiv Gandhi Cancer Institute & Research Centre, Delhi, India
- 4, April 2006 "Molecular imaging: chances and risks for nuclear medicine." 44<sup>th</sup> Annual Meeting of the German Society of Nuclear Medicine, Berlin, Germany
- 8, April 2006 "FDG-PET in Imaging Primary Breast Cancer", "FDG-PET in Infection & Inflammation", 36<sup>th</sup> Annual Spring Meeting of the Mid-Eastern Chapter, Society of Nuclear Medicine, Baltimore, MD
- 24, April 2006 "Imaging of Congenital Hyperinsulinism with 18F-L-Fluoro-DOPA PET and Correlation with Histopathology", Imaging the Pancreatic Beta Cell in Health and Disease, NIH & JDRFI Sponsored 3<sup>rd</sup> Workshop, Washington, DC
- 3, May 2006 "Importance of FDG in Delayed and Dual Time Point Imaging in Patients with Cancer", "Evolving role of FDG-PET in infection & inflammation". PET Society of Connecticut, Hartford/Farmington Marriott, CT
- 15, May 2006 Scientific Reviewer, Avon-NCI Progress for Patients Awards Program,  
16 June 2006 Internet
- 23, May 2006 NIH Scientific Reviewer, NIH - Bioengineering Research Partnership (BRP) Study Section, SBIB-J (50) "Imaging Bioengineering Partnership". Silver Springs, MD
- 1-7 June 2006 Co-Moderator, Read with the Experts, "Functional Brain Imaging", Presenter: "New Methods for Brain Tumor Imaging using SPECT and PET", Co-Moderator, "Pediatric Oncology – From Bench to Bedside and Beyond", Presenter: "PET Brain Tumor Imaging", 53<sup>rd</sup> Annual Meeting of the Society of Nuclear Medicine, San Diego, CA

- 16, June 2006 “Imaging of Focal Hyperinsulinism by PET scans with F-DOPA”. Congenital Hyperinsulinism and Related Disorders of Insulinism Secretion – Clinical, Biochemical and Genetic Advances, The Hyperinsulinism Center, The Children’s Hospital of Philadelphia, Philadelphia, PA
- 17-20, June 2006 75<sup>th</sup> Board Meeting of the American Board of Nuclear Medicine, Jackson Hole, WY
- 23, June 2006 NIH Scientific Reviewer, Special Emphasis Panel/Scientific Review Group 2006/10 ZRG1 SBIB-Q (13) (B) meeting, Biomedical Imaging and Bioinformatics, Webcast
- 26, June 2006 NIH Scientific Reviewer, Scientific Study Section NIH/ZRG1 SBIB-Q 50, Crowne Plaza Washington Silver Spring, Silver Spring, MD
- 17- 18, July 2006 NIH Scientific Reviewer, NIH-RFA RM06-006 Review Committee, Bethesda, MD
- 29, July 2006 “Clinical Applications of PET”, Shanghai Society of Nuclear Medicine Meeting, Shanghai, China
- 22, September 2006 “Speedeaters”, National Geographic Documentary, Hospital of the University of Pennsylvania, Philadelphia, PA
- 25, September 2006 “Functional Lung Imaging with PET: A revolution in medicine”, Biomedical Engineering Graduate Seminar, The Department of Biomedical Engineering & The Biomedical Engineering Institute, University of Minnesota
- 4, October 2006 “Functional Lung Imaging Uptake”, 2006 Annual Congress of the European Association of Nuclear Medicine, Athens, Greece.
- 2, November 2006 “PET and Aging: The Normal PET Scan”, Symposium: Nuclear Medicine: 2006, PET and PET/CT Imaging, The Department of Nuclear Medicine, Montefiore Medical Center/The University Hospital and Academic Medical Center for the Albert Einstein College of Medicine, Marriott East Side Hotel, New York City, NY
- 18, November 2006 “PET A Revolution in Medicine”, “PET in Central Nervous System Disorders”  
 19, November 2006 “Radiation Therapy Planning Based on PET/CT”, “Cyclotron and Current Radiopharmaceuticals”, “Malignant Melanoma”, “Quantitative Techniques”. PET-Positron Emission Tomography Clinical Applications and Recent Development, Yeditepe University, Istanbul, Turkey
- 18, November 2006 Member, Symposium Program Panel: Welcome & Introduction  
 19, November 2006 Member, Panel Discussion: “Prospects for PET Imaging in Turkey”, PET-Positron Emission Tomography Clinical Applications and Recent Development, Yeditepe University, Istanbul, Turkey
- 20, November 2006 “PET a revolution in medical imaging”, “PET instrumentation, radiopharmaceuticals and quantification”, “Lung nodules and lung cancer”, “Brain applications”, “Infections and inflammation”. PET Programme: Recent

Development in PET imaging and Clinical Applications of PET. Hacettepe University, Ankara, Turkey

- 29, November 2006 “Evolving Role of PET Imaging in Assessing Musculoskeletal Disorders”, Annual Scientific Symposium/Retreat, Penn Center for Musculoskeletal Disorders, Philadelphia, PA
- 2, December 2006 “Impact of FDG and PET-CT Images in Assessing Infection and Inflammation”, “Role of PET, PET-CT and Radiological Techniques in CNS Disorders”. Evolving Approaches to Diagnostic Imaging, CME Symposium, Virginia Commonwealth University School of Medicine and Dimedix LLC, Intercontinental San Juan Resort and Casino, Carolina, Puerto Rico
- 17, January 2007 “PET scanning in lung cancer”, Lung Cancer Lecture Series, Pulmonary, Allergy and Critical Care Division, Hospital of the University of Pennsylvania, Philadelphia, PA
- 20, January 2007 “FDG-PET Imaging In The Management Of Patients With Infection And Inflammation”, Academy of Molecular Imaging, Loew’s Hotel, South Beach, FL
- 21, January 2007 “The Impact Of Combined Functional And Structural Imaging In The Assessment Of CNS Disorders”, “Evolving Role Of FDG-PET Imaging In The Management Of Patients With Infection And Inflammation”, 2007 Midwinter Radiology Conference, Los Angeles Radiological Society, Sheraton Universal Hotel, Los Angeles, CA
- 25, January 2007 76th Annual meeting of American Board of Nuclear Medicine, New Orleans, LA
- 15-18, February 2007 Mid-winter Board of Directors, Society of Nuclear Medicine, San Antonio, Texas
- 26-27, February 2007 Scientific Reviewer, National Institutes of Health, Center for Scientific Review, P41 Review/Pre site Visit Teleconference
- 8-9, March 2007 Scientific Reviewer, P41, National Institutes of Health, Center for Scientific Review, Seattle, WA
- 23, March 2007 Award Ceremony, Honorary Degree in “Medicine and Surgery” of the Faculty of Medicine and Surgery, the University of Bologna, Bologna, Italy
- 30, March 2007 "Molecular Imaging" Spring Symposium “Taking the Next Step in Therapeutic and Diagnostic Medical Physics”, American Association of Physicists in Medicine Delaware Valley Chapter, Abington Memorial Hospital, Abington, PA
- 14-15, April 2007 “PET: A Revolution in Medicine”, "Applications of FDG and other PET tracers in Assessing Central Nervous System Disorders", "Evolving Role of FDG – PET in the Detection of Infection and Inflammation", 37<sup>th</sup> Annual Meeting of The Radiological Society of the State of Sao Paulo (Sociedade Paulista de Radiologia), Sao Paulo, Brazil
- 21, April 2007 “PET/CT in Lung Cancer and Solitary Pulmonary Nodule”, ”PET/CT in Breast Cancer and Lymphoma”, “Role of PET/CT in detection of inflammation and infection”, ”PET/CT - Future Perspectives - New tracers”, ”PET/CT”, "I

Simpósio Villas Boas sobre PET/CT em Oncologia", Organized by: Clinica Villas Boas, Blue Tree Park Hotel, Brasilia, Brazil

- 26-27, April 2007 "PET-CT: A Revolution in Medicine", "Evolving Role of FDG-PET in the Management of Patients with Infection and Inflammation", "Impact of FDG-PET in Assessing and Treating Malignant Lymphomas", "Functional and Structural Imaging in Central Nervous System Disorders". First Arab Congress of Radiology, Dead Sea, Jordan
- 30, April 2007 2<sup>nd</sup> Pediatric Brain Tumor Consortium (PBTC) Neuroimaging Imaging Center PET Consensus Conference, Children's Hospital, Boston, MA
- 23, May 2007 "Molecular Imaging with PET: A Revolution in Medicine", 1<sup>st</sup> Iranian International Student Congress on Medical Research. 8th Annual Research Congress of Iranian Students of Medical Science, Shiraz, Iran
- 23, May 2007 "Neuroimaging with PET", "Detection of Infection and Inflammation with FDG-PET Imaging", Department of Radiology, Namazee hospital, Shiraz, Iran
- 2-6, June 2007 Functional Brain Imaging in Epilepsy Read with the Experts Session: "New Methods for Brain Tumor Imaging using SPECT and PET", Challenges in Diagnosing Infection: A New Perspective on an Old Problem: "Evolving Role of FDG-PET in the Management of Patients with Infection and Inflammation", Hot Topics and Best Practices in PET/CT: "Utility of Dual Time-Point Imaging for FDG", "PET- CT with FDG or In111/Tc99m WBC for Infection?", 54<sup>th</sup> Annual Meeting of the Society of Nuclear Medicine, Washington, D.C.
- 15, June 2007 Scientific Reviewer, Special Emphasis Panel, Quick trial review meeting (ZRG1 SBIB-Q51, Web cam study section meeting
- 18, June 2007 "PET Imaging", Radiology Residents Conference, UMDNJ, Newark, NJ
- 18, June 2007 Tumor Board, New Jersey Medical School Cancer Center, Newark, NJ
- 19, June 2007 Reviewer, Special Emphasis Panel, National Institute of Allergy and Infectious Diseases (NIAID)/National Institutes of Health. Teleconference.
- 22, June 2007 "Radiology perspective on Follicular /Low Grade NHL and CLL, 3rd annual Focus on Leukemia, Lymphoma and Myeloma Conference for Patients and Families, Hilton Hotel, City Avenue, Philadelphia, PA
- 25, June 2007 Scientific Reviewer, National Institutes of Health, Center for Scientific Review ZRG1 SBIB-Q 51 Web Cam study section meeting
- 28, June 2007 77<sup>th</sup> Meeting of the American Board of Nuclear Medicine, Alyeska Resort in  
2, July, 2007 Girdwood, Anchorage, AK
- 30, July 2007 Meeting of National Association of Railroad Trial Counsel, Greenbrier Resort, White Sulphur Springs, West VA



- 27-28, August 2007 “Evolving Role of FDG-PET Imaging in the Assessment of Inflammatory Processes”, IT 2007: Inflammation Technology, 10<sup>th</sup> University of Washington Engineered Biomaterials (UWEB) Summer Symposium, University of Washington, Seattle, WA
- 29, September 2007 “Molecular Imaging With PET; Opportunities and Challenges Ahead”, Evolving Role of FDG-PET Imaging in the Assessment of Infection and Inflammation”, R.D. Lele Oration of the 5th Annual Conference of the Association of Nuclear Medicine Physicians of India, Udaipur, India
- 13, October 2007 “Molecular Imaging with PET, A Revolution in Medicine, “Evolving Role of FDG-PET Imaging in the Management of Patients with Infection and Inflammation”. Annual Meeting of the Pennsylvania Radiologic Society, Omni William Penn Hotel, Pittsburgh, PA
- 22, October 2007 Scientific Reviewer, Special Emphasis Panel, Quick trial review meeting (ZRG1 SBIB-Q51, Web cam study section meeting
- 26, October 2007 “PET/CT”, Cancer Conference, Cancer Center & Department of Radiology, The Shore Memorial Hospital Cancer Center, Somers Point, NJ
- 2-4, November 2007 “PET and Oncology”, 28<sup>th</sup> Annual Conference of Association of Medical Physicists of India, International Conference on Medical Physics, Kashmir, India
- 8, November 2007 “Evolving Role of FDG\_PET Imaging in the Management of Patients with Infection and Inflammation”, Department of Radiology Grand Rounds and Radiology Residents’ Conference, Medical College of Virginia/VCU, Richmond, VA
- 8, November 2007 “Molecular Imaging with PET, A Revolution in Medicine” Richmond Radiological Society, Richmond, VA
- 15-17, Nov. 2007 11<sup>th</sup> Iranian Nuclear Medicine Congress, Rasht, Iran
- 15, November 2007 “Unique and Essential Role of PET Imaging in the Management of Patients with Various Malignancies”, 19<sup>th</sup> Asia-Pacific Cancer Conference, Tehran, Iran
- 5, December 2007 “Molecular Imaging with PET, A Revolution in Medicine”, University of Buffalo, The State University of New York, Buffalo, New York
- 12, December 2007 “Molecular Imaging with PET, A Revolution in Medicine”, New York University Medical Center, New York City, New York
- 17, December 2007 Continuing Medical Education Activities, Faculty of Radiology & Nuclear Medicine for Kuwait Institute for Medical Specialization, Health Sciences Centre, Faculty of Medicine, Kuwait
- 8, January 2008 “The role of FDG-PET in assessing infectious and inflammatory disorders”, Rheumatology Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA

- 17-21, January 2008 78<sup>th</sup> Annual Meeting of the American Board of Nuclear Medicine, St. Thomas US Virgin Islands
- 10-11, February 2008 “Role of sentinel node in staging breast cancer”, “FDG PET for characterizing disease activity in primary metastasis site”, “Role of PET in lung cancer”, “Evolving role of PET in assessing suspected infection and inflammation”. Body and Breast Imaging Symposium, Kuwait
- 12-14, February 2008 NIH Scientific Reviewer, SPORE in Lymphoma, Myeloma, HN, Lung, and GI Cancers
- 28, February 2008 “New Imaging Approaches in Oncology Drug Development”, Cancer: Introduction to Oncologic Product Development In-House Training Course for GlaxoSmithKline, Collegeville, PA
- 1, March 2008 “Brain imaging with PET in neuropsychiatric disorders”, “Evolving applications of PET in the management of patients with inflammation and infection”. 2008 PET-CT Symposium, Society of Nuclear Medicine of Puerto Rico, Isla Verde, Puerto Rico
- 4, March 2008 NIH Scientific Reviewer, R21 applications for the Quick Trials for Imaging and Image-Guided interventions, Internet Assisted Review.
- 15, March 2008 “Unique and Unparalleled Impact of PET Imaging on the Day to Day Practice of Medicine”, “Dr. S.K. Sharma Oration–2008”, PET-CT Conference, Dr. S.K. Sharma Oration Committee, Anusuya Sharma Medical Education Foundation, Ethnic Knowledge Organization (EKO) X-Ray & Imaging Institute, The Taj Bengal, Kolkata, India
- 26, March 2008 “Unparalleled Impact of FDG-PET Imaging on the Day to Day Practice of Medicine, William Beaumont Hospital, Troy, MI
- 28, March 2008 “Prospects for Imaging Infection and Inflammation with FDG-PET”, “Novel Quantitative Techniques for Assessing Structure/Function Relation in Normal and Disease States”, Annual Meeting and Scientific Sessions of the American College of Nuclear Medicine, Royal Plaza, Orlando, FL
- 2, April 2008 “PET A Revolution in Medicine”, “PET in Inflammation and Infection”, “Updates in PET/CT (Instrumentation, radiopharmaceuticals Quantitative technique, and Radiotherapy planning)”, “PET in Central nervous system disorders”, “Effect of aging on brain and other organs”. Radiological Society of Saudi Arabia, Jeddah, Saudi Arabia
- 19-26, April 2008 "Reporting with Alavi. Physiopathological and clinical issues behind PET/CT imaging in oncology", Brescia University, Italy
- 9, May 2008 “Molecular Imaging with PET: A revolution in Medicine”, “Recent Advances in Molecular Imaging of Lung Cancer”, V Reunion del Grupo PET de la Sociedad Espanola de Medicina Nuclear, Hotel NH Central Convenciones, Seville, Spain

- 18-20, May 2008 Participant, Expert Input Forum, Global Human Health, Merck & Co., Inc., New York, NY
- 21, May 2008 Honorary degree of Doctor of Science, Commencement Ceremonies, University of the Sciences in Philadelphia, Philadelphia, PA
- 23, May 2008 15<sup>th</sup> Annual Meeting, Iranian American Medical Association, Washington, DC
- 7, June 2008 “PET: A Revolution in Medicine”, 25<sup>th</sup> International Congress of Radiology, Marrakech, Morocco
- 9, June 2008 NCI Specialized Programs of Research Excellence in Lymphoma and Lung Cancer Review Meeting, Washington, DC
- 14, June 2008 “Infection”, Bone Imaging: A Multi-Modality Approach” Seminar, 55<sup>th</sup> Annual Meeting of the Society of Nuclear Medicine, New Orleans, LA
- 14, July 2008 Scientific Reviewer, Special Emphasis Panel/Scientific Review Group 2008/10 ZRG1 SBIB-V (51) R meeting, Washington, DC
- 6, August 2008 “New Imaging Techniques“, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania, Philadelphia, PA
- 26, August 2008 “Nuclear Imaging of the Kidney”, Renal Fellows’ Conference, Hospital of the University of Pennsylvania, Philadelphia, PA
- 5-6, September 2008 "Evolving Role of FDG-PET Imaging in the Management of Patients with Infection and Inflammation", "Unparalleled and Revolutionary Impact of PET-CT Imaging on the Day to Day Practice of Medicine", XI Congress of Polish Society of Nuclear Medicine, Gliwice, Poland
- 7, September 2008 Unparalleled and Revolutionary Impact of PET-CT Imaging on the Day to Day Practice of Medicine”, "Evolving Role of FDG-PET Imaging in the Management of Patients with Infection and Inflammation", PET Seminar at the Human Brain Institute, St. Petersburg, Russia.
- 15-16, September 2008 “Past and Future of Positron Emission Tomography”, Post-Congress Meeting of the World Molecular Imaging Congress 2008, Bologna, Italy
- 29, September 2008 Radiology Grand Rounds, Department of Radiology, Dalhousie University, Canada
- 19, October 2008 “PET in Inflammation and Infection”, Western Regional Society of Nuclear Medicine, Portland, OR
- 31, October - 4, November 2008 “Unique and unparalleled Impact of FDG-PET Imaging on Practice of Medicine Over the Past Three Decades”, 9th Asia Ocenia Congress of Nuclear Medicine & Biology 2008, New Delhi, India
- 7-9, November 2008 “Unparalleled Impact of FDG-PET Imaging on Practice of Medicine Over the Past Three Decades”, “Evolving Role of FDG-PET Imaging in Assessing

- Infection and Inflammation”, 4th International Meeting of The Hellenic Society of Nuclear Medicine, Grand Palace Hotel, Thessaloniki, Macedonia, Greece
- 7-9, November 2008 Recipient, Gold Medal Award in addition to a diploma of honour of The Hellenic Society of Nuclear Medicine, at its’ 4th International Meeting held at the Grand Palace Hotel, Thessaloniki, Macedonia, Greece
- 26, January 2009 Evolving Role of PET in Assessing Infection and Inflammation, Radiology Residents’ Morning Conference, Hospital of the University of Pennsylvania, Philadelphia, PA
- 11, February 2009 Panel Member, “A Comparison of Pathology and Radiology Workflow and Reporting”, Molecular Integration of Imaging & Diagnostics Summit, American Association of Clinical Chemistry, Inc. (AACC), Sheraton Society Hill Hotel in Philadelphia
- 18, February 2009 "Evolving Role of Molecular Imaging in Biological Research and Practice of Medicine", School of Medicine, University of Pennsylvania, Philadelphia, PA
- 11- 12, March 2009 “PET tumor imaging”, “Imaging in Neuropsychiatry”, “Molecular Imaging: Ovi Vadis?”, “FDG-PET in Assessing Inflammation Including Atherosclerosis”, International Symposium on Molecular Imaging and Therapy: Roadmap to Modern Medicine, Kuwait University, HSC Auditorium, New HSC Building, Jabriya, Kuwait
- 18, March 2009 “PET Scanning for Lung Cancer”, Pulmonary, Allergy & Critical Care Conference, Hospital of the University of Pennsylvania, Philadelphia, PA
- 18, March 2009 Member, Scientific Review Panel, NHLBI K99/R00 application. National Heart, Lung, and Blood Institute, NIH Teleconference
- 19, March 2009 “Molecular Imaging with PET, A Revolution in Medicine”, ENT Basic Science Group Conference of the Dental School, University of Pennsylvania, Philadelphia, PA
- 6-9, April 2009 “Revolutionary Impact of PET and PET-CT Imaging on the Day to Day Practice of Medicine, Prospects for the Future “Nevsky Radiology Forum 2009, St. Petersburg Radiology Society, St. Petersburg, Russia
- 12, May 2009 “Positron Emission Tomography”, 33rd Annual Meeting of Iranian Association of Surgeons, Teheran, Iran
- 1, June 2009 Sleep Medicine Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA
- 13, June 2009 "PET/CT in Oncology", Categorical Seminar, “Clinical PET/CT and SPECT/CT - Instrumentation and Applications”. 56<sup>th</sup> Annual Meeting of the Society of Nuclear Medicine, Toronto, Canada

- 7, August 2009 Panelist, PET Scans, “Symposium: 2009 Solutions to Diagnostic Challenges”, 19<sup>th</sup> Annual Open Scientific Meeting of the Musculoskeletal Infection Society, San Diego, CA
- 5, September 2009 “Molecular Imaging with PET, A Revolution in Biological Research and Practice of Medicine”, Theme Keynote Speaker for EMBC'09, 31<sup>st</sup> Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Hilton Minneapolis, MN
- 12-, September  
15, September 2009 “PET as a Tool for Imaging Infection”, 49<sup>th</sup> Interstate Conference on Antimicrobial Agents and Chemotherapy Meeting (ICAAC), San Francisco, CA
- 1, October 2009 “Unparalleled Impact of Molecular Imaging with PET to the Improvement of Healthcare Around the Globe”, International Conference on Peaceful Uses of Atomic Energy, Department of Atomic Energy, India, International Atomic Energy Agency and Indian Nuclear Society, New Delhi, India
- 9-11, October 2009 “PET/CT in Breast“, “PET, A Revolution in Medicine”, “Assesment of Infection and Inflammation with FDG-PET”, “Assesment of Pulmonary and Pleural Disorders with PET”, “Importance Of Dual Time and Delayed Imaging with FDG-PET in cancer”, “Recent Advances in PET imaging of CNS Disorders”. 38<sup>Th</sup> Brazilian Congress of Radiology, Porto Alegre, State of Rio Grande do Sul – Brazil
- 16 October 2009 “Positon Emission Tomography (PET): A new tool in the diagnosis of infections’. Infectious-Diseases Away Day, Novel approaches to the diagnosis of infection” Infectious Diseases Recognised Research Group (IDRRG), Marine Castle Hotel, Ballycastle, Co. Antrim, Ireland
- 2, November 2009 Scientific Reviewer, PET Scan of Glucose Metabolism in Obese, National Institute of Diabetes & Digestive and Kidney Diseases, NIH, Teleconference
- 4, November 2009 “PET-CT in endocrinology”, Symposium: Applications of Nuclear Medicine in Endocrinology, XLIX Congress of the Mexican Society of Nutrition and Endocrinology, Monterrey, Nuevo León, México
- 6, November 2009 “Revolutionary Impact of Molecular Imaging with PET on Biological Sciences and Practice of Medicine”, Temporomandibular Joint Disorders (TMJ) Bioengineering Conference 2009, Boulder, CO
- 14, November 2009 Panelist, “PET Scan for Facet/Spine Evaluation”. Innovative Imaging Techniques for Spinal Disorders Program, North American Spine Society’s 24<sup>th</sup> Annual Meeting, San Francisco, CA
- 14, January 2010 Inaugural Speaker, CV Imaging Working Group of the Penn Cardiovascular Institute, Penn CVI Cardiology/Radiology seminar series, Philadelphia, PA
- 21, January 2010 “Emerging Role of Molecular Imaging with PET in the Day to Day practice of Medicine”, Grand Rounds, Radiologic Society of New Jersey, Robert Wood Johnson University Hospital, University of Medicine and Dentistry of New Jersey, New Brunswick, NJ

- 5, February 2010 “Emerging Role of PET and PET-CT in Assessing Musculoskeletal Disorders” Biomedical Engineering Graduate Students Seminar”, Department of Orthopaedic Surgery & Rehabilitation Medicine, SUNY Downstate Medical Center, Brooklyn, New York
- 11, February 2010 Panel Member, Scientific Review Panel, R 21 applications, Clinical Studies of Bisphosphonate Therapy and Osteonecrosis of the Jaw (R21). National Institute of Dental and Craniofacial Research, Teleconference
- 25, February 2010 “Emerging Role of Hybrid Imaging for Optimal Assessment of Molecular Alterations in Neuropsychiatric Disorders and Its Implications for Individualized Treatments in the Future”, American Society of Functional Neuroradiology, Vic Haughton Honorary Lecture, Wynn Encore, Las Vegas
- 27 February 2010 “Molecular Imaging with PET, A Revolution in Medicine”, ”Clinical Applications of PET in Lymphoma and Pediatrics”, ”Emerging Role of PET in Assessing and monitoring Patients with Suspected and Proven infection and inflammation”, ”Critical Role of PET in the Management of patients with Central Nervous System Disorders” Nuclear Medicine Section, Department of Medical Imaging, King Fahad Hospital, Riyadh, Kingdom of Saudi Arabia
- 4 March 2010 “Emerging Role of PET and PET-CT in the Day to Day Practice of Medicine”, Grand Rounds, Depart. of Internal Medicine, Cleveland Clinic, Cleveland, OH
- 5, March 2010 “Novel Quantitative Techniques for Defining Tumor Biology; a New Paradigm in Cancer Research”, Department of Nuclear Medicine Research Conference, Cleveland Clinic Taussig Cancer Center, Cleveland, OH
- 5, March 2010 “FDG-PET: A brief history to current perspectives in oncologic imaging”, Grand Rounds, Department of Nuclear Medicine, Cleveland Clinic Taussig Cancer Center, Cleveland, OH
- 9-11 March 2010 Member, Scientific Review Panel, Nutrition Obesity Research Centers (P30) applications, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Washington, DC
- 23-24, March 2010 Member, Scientific Review Panel, Nanotechnology R25T and K99/R00 Applications for National Cancer Institute, National Institutes of Health, Rockville, MD
- 30, March 2010 “Revolutionary Impact of Molecular Imaging with PET on Research and the Day to Day Practice of Medicine”, Dermatology Research Seminar Series, Department of Dermatology School of Medicine, University of Pennsylvania, Phila., PA
- 31 March 2010 “<sup>18</sup>F-Fluorodeoxyglucose-Positron Emission Tomography for the detection of infections and aseptic inflammatory disorders”, CASE Seminars of the Food and Drug Administration, Division of Antimicrobial and Ophthalmology Products, Center for Drug Evaluation and Research, FDA White Oak campus, Silver Springs, MD
- 1, April 2010 Medical Education Program, Genzyme, Inc., Cambridge, MA

- 9, April 2010 Application of Biomarkers and Imaging to Early Phase Studies with an Anti-LOXL2 Antibody, Arresto BioSciences, Palo Alto, CA
- 19, April 2010 “Molecular Imaging with PET A Revolution in Biology and Medicine”, Graduate Interdisciplinary Faculty of Toxicology Seminar Series, Texas A&M University, College Station, TX
- 11, May 2010 "Emerging Role of PET in Assessing and Monitoring Patients with Suspected or Proven Cardiovascular Disease", Cardiovascular Institute of Philadelphia's 6th Annual Nuclear Cardiology Update CME Program, Hyatt Regency Philadelphia at Penn's Landing, Philadelphia, PA
- 14-15, June 2010 Member, Special Emphasis Panel/Scientific Review Group 2010/08 ZRG1 BST-K (52) R - RFA RM09-002: National Centers for Biomedical Computing
- 17 Sept 2010 “Novel Quantitative Techniques with PET” lecture Uppsala Univ., Sweden
- 20, September 2010 “Evolving Role of PET in Assessing Infection and Inflammation” “Novel Quantitative Techniques for Measuring Disease Activity with PET”, Department of Nuclear Medicine, Danish Nuclear Medicine Society, University of Copenhagen, Denmark
- 22 Sept 2010 Lecture “Recent Developments in Assessing Infection and Inflammation”, Univ. of Utrecht, Netherlands
- 23 Sept 2010 Lecture “Recent Developments and applications of PET in Cardiovascular Disease”, at Univ of Groningen, Netherlands
- 10 October 2010 “Cost effectiveness of PET & PET – CT imaging”, Annual Meeting of the European Association of Nuclear Medicine, Vienna, Austria
- 10 October 2010 “Evolving Role of PET in Assessing Infection and Inflammation.” “Recent Developments for Utility of PET in Examining Central Nervous System Disorders”, “Novel Quantitative Techniques for Measuring Disease Activity with PET”, “Promising Role of PET in Treating Patients with Atherosclerosis”, Meeting of European Assn. of Nuclear Medicine, Vienna
- 27 October, 2010 “Revolutionary Impact of PET and PET/CT on Day to Day Practice of Medicine”, Diagnostic Radiology Grand Rounds, University of Maryland
- 4 November, 2010 “Novel Quantitative Techniques for Assessing Disease Activity with PET”, Radiology Grand Rounds, Stony Brook University Medical Center, Stony Brook, NY
- 12 November, 2010 "Novel Quantitative Techniques for Measuring Disease Activity with PET " Meeting of Society of Nuclear Medicine-India, Chandigarh, India
- 29 November 2010 “Evolving Role of PET/CT Based Novel Quantitative Techniques for Assessing Disease Activity in Cancer and Other Disorders”, University of British Columbia,

Vancouver, Canada

- 10 December 2010 “Molecular Imaging with Positron Emission Tomography (PET), A revolution in Medicine, “Essential Role of PET in the Management of Patients with Cancer“, “Assessment of Neuropsychiatric Disorders with PET“, “Evolving Role of PET in Examining Patients with Suspected or Proven Infection and Inflammation“, “Cardiovascular Applications“, Annual Qatar Health 2010 International Healthcare Congress and Exhibition, Doha, Qatar
- 8 January, 2011 “Molecular Imaging with PET”, “The Critical Role of PET/CT in the Management of Patients with Cancer”, “The Evolving Role of PET Imaging in Assessing Infection and Inflammation”, “Current and Future Applications of PET in Neuro-Psychiatric Disorders”, PET/CT Cairo Symposium, Cairo, Egypt
- 26 Feb. 2011 “PET/CT Techniques for Localizing Pain Generators”, Annual Symposium of the ASSR, Waikiki, Hawaii
- March 5, 2011 “Current and Future Applications of PET in Assessing Neuropsychiatric Disorders”, Fourth Gulf Nuclear Medicine Conf, Riyadh, Saudi Arabia
- Aug 2011 seminar in University of Odense, Odense, Denmark
- 23 Sept 2011 lecture at International Medical Olympic meeting, Thessaloniki, Greece
- 5 Oct 2011 “Molecular Imaging with PET, A Revolution in Medicine” and “Current and Future Applications of PET in Neuropsychiatric Disorders”, Nuclear Medicine Conf., Womack Army Medical Center, Ft Bragg, N.C.
- 14-15 Nov, 2011 Member of Visitation Committee, Dept of Nuclear Medicine and Molecular Imaging, University Medical Center, Groningen, the Netherlands
- 10 Dec. 2011 “Evolving Role of PET in Assessing Cardiovascular Disorders”, Annual Conf of Society of Nuclear Medicine India, Chennai, India
- 27 March, 2012 “Evolving Role of PET-CT in Assessing Cardiovascular Disorders”, seminar in Dept of Cellular and Integrative Physiology, Indiana University, Indianapolis, IN
- 28 March, 2012 “Molecular Imaging with PET”, Biomed Valley, Kansas City, KS
- 5 April, 2012 “Molecular Imaging with PET”, Radiology Grand Rounds, Univ of Wisconsin, Madison, WI
- 27 April, 2012 “Evolving Role of PET-MRI” Invited speaker, Deutsche Gesellschaft für Nuklearmedizin Congress, Bremen, Germany
- 11 June, 2012 “Unparalleled Contributions of FDG-PET Imaging to Medicine”, Cassen Award lecture, Soc. of Nuclear Medicine, Miami Beach, FL
- 19 October, 2012 “Unparalleled Contributions of FDG-PET to Medicine”, American Chemical Society New York Section Symposium on 18-FDG, Brookhaven National Laboratory, Brookhaven, NY



- 19 November, 2012 “Revolutionary Impact of PET based Imaging on basic Research and Clinical Medicine”, Sociedade Brasileira de Biociencias Nucleares Congress, Recife, Brazil
- 3 December, 2012 "Neuroimaging with PET, past, Present and Future", Nuclear Medicine Grand Rounds, University of Maryland Medical Center, Baltimore, MD
- 13-14 Dec, 2012 “Revolutionary Impact of PET on Daily Practice of Medicine”, “Novel Quantitative Techniques with PET”, and “Application of 18 FDG PET in Cardiology”, First Qatar PET Symposium, Doha, Qatar
- April 6, 2013 “PET and PET-CT Based Novel Quantitative Techniques”, Advances in Nuclear Medicine and Molecular Imaging, Riyadh Saudi Arabia
- April 7-8, 2013 “Evolving Role of PET in Assessing Infection and Inflammation”, and “Potential Applications of PET in managing patients with atherosclerosis”, Advances in Nuclear Medicine and Molecular Imaging, Riyadh, Saudi Arabia
- 27 Jan 2014 “Evolving Role of PET in Personalized Medicine and Targeted Therapy”, Personalized Medicine World Conf, Mountain View Calif.
- 30 Jan 2014 “FDG-PET/CT in Infectious and Inflammatory disease “ , Annual Meeting of Danish Soc. of Radiology, Odense, Denmark
- 5 Feb 2014 “Unparalleled Impact of PET, PET-CT and PET-MRI on the Day to Day Practice of Medicine”, 101st Indian Science Congress, Jammu, India
- 3 May 2014 “Unparalleled Contributions of PET and PET-CT to Day to Day Practice of Medicine”, Delaware Valley Soc. of Nuclear Medicine Technologists, Cherry Hill, NJ
- 9 May 2014 “Nuclear Imaging”, Musculoskeletal Infection meeting, Chicago, IL
- 8 Nov 2014 “Update on Brain Imaging with PET”, Delaware Valley Soc of Nuclear Medicine Technologists, Cherry Hill, NJ
- 24 Nov 2014 “Revolutionary Impact of PET Imaging on Day to Day Practice of Medicine”, “Evolving Role of PET Imaging in Managing Patients with Infection and Inflammation”, University Hospital of North Norway, Tromso, Norway.
- 25 Nov 2014 “Unparalleled Impact of PET Imaging on Day to Day Practice of Medicine”, and “Evolving Role of PET-CT in Imaging Atherosclerosis”, and “Novel Quantitative Techniques with PET-CT-MR Imaging” Oslo University Hospital, Norway
- 12-13 Dec 2014 "Evolving Role of PET-CT in imaging Infection and Inflammation" and “Contribution of FDG-PET to the day-to-day Practice of Medicine, SNMICON Kolkata India
- 11-12 March 2015 “Revolutionary Impact of FDG-PET Imaging on the Day to Day Practice of Medicine” and “Evolving Role of PET in Assessing Inflammatory Disorders” ICMI 2015, Montevideo, Uruguay

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<b>Trainee</b>	<b>Dates</b>	<b>Prior Degrees</b>	<b>Source of Support or Present Position, if known</b>	<b>Research Topic</b>
Saeid Gholami	2014-	Tehran University of Medical Sciences/MD	Univ of Penn	PET in Atherosclerosis
Sina Houshmand	2013-	Tehran University of Medical Sciences/MD	Univ of Penn	PET in Radiation Induced Inflammation
Ali Salavati	2012-2015	Tehran University of Medical Sciences/MD, MPH	Univ of Penn	PET in COPD
Victor Marin	2012-2013	University of Seville/MD	Univ of Penn	PET in Cirrhosis
Mustafa Aras	2012	Marmara University School of Medicine/MD	Univ of Penn	PET in Atherosclerosis of Pulmonary Artery
Ahmed Pasha	2011-2013	Nishter Medical College and Hospital/MD	Univ of Penn	PET in Atherosclerosis
Andre Luis Branco de Barros	2011-2012	University of Belo Horizonte/PhD	Univ of Penn	Atherosclerosis with novel nanoparticles
Bjorn Blomberg	2011-2012	Utrecht University/MD	Univ of Penn	PET in Atherosclerosis & Beta Cell Imaging with PET
Masumeh Hatami	2011-2012	Shahid Beheshti University of Medical Science/MD	Univ of Penn	PET in Sarcoidosis
Mohammad Gharavi	2011-2012	Tehran University of Medical Sciences/MD	Univ of Penn	PET in Skin Lymphoma
Sara Alehashemi	2010-2011	Bandar Abbas University/MD	Univ of Penn	PET in Ovarian Cancer
Ann Cristina Hernandez	2010	University of Seville/MD	Univ of Penn	PET in Cirrhosis
Erinda Puta	2010	University of Brescia/MD	Univ of Penn	PET in Breast Cancer
Anar Aliyev	2010	Baku State University/MD	Univ of Penn	PET and Aging - Spine
Babak Saboury	2009-2013	Tehran University of Medical Sciences/MD, MPH	Univ of Penn	Novel Quantification with PET
Salome Sanz	2007	University of Seville/MD	Univ of Penn	Dual Time Point with PET
Jacob Dubroff	2007-2010	SUNY Upstate Med U/ MD/PhD/2006	T32/Univ of Penn	New
Wichana Chamroonrat	2007-2010	Mahidol Univ/ MD/2000		New
Gang Cheng	2007-2010	Shanghai Medical Univ/MD/1987/ Medical Univ of So. Carolina/PhD/1998		New



Hannah Bae	2007 - 2008	Univ of Pittsburgh Med Col/MD		New
Steve Yang	2006-2007	Albert Einstein Col Med/MD/2001	CHOP	New
Wengen Chen	2006-2009	Shanghai Med Univ/ MD, MPH, PhD/1987	T32/Univ of Penn	New
Geming Li	2006-2009	N. Bethune Univ Med Sci/MD/1986/MS/1989	T32/Univ of Penn	New
Wei-Shen Griggs	2006-2007	Univ Chicago/MD/2001/PhD/2002	Univ of Penn/	New
Miguel Hernandez-Pampaloni	2006-2008	Univ Comp de Madrid/ MD/1990/PhD/1998	CHOP/CPUP	Pediatric Oncology-PET
Rodolfo Perini	2006-2008	Faculdade de Medicina da Univ Federal de Goias/MD/2000	HUP	New
Anton Mahne	2006-2007	Univ Iberoamericana/ MD/2003	Self-Support/ Radiology Resident Bryn Mawr Hosp	PET and Head and Neck Variation
Jagruti Shah	2006-2007	Topiwala Nat'l Med Col/MD/2001	HUP/ Radiology Resident Drexel	New
Saad Alzeair	2006-2007	Kingdom of Saudi Arabia/MBBS/King Abdulaziz University	Saudi Government	New
Sandip Basu	2006-2007	R.G.Kar Medical College, Calcutta	International Union against Cancer (UICC-ACSBI fellowship)	
Eli Botvinick	2006	NYU/MD/1967	UCSF	Cardiac
Gunsel Acikgoz	2005-2006	Ankara Univ Med Fac/MD/1989	Grant/Christiana Med Ctr	Lung cancer
Onikepe Adegbola	2005-2007	Univ of Lagos/MBBS/1995/Johns Hopkins Univ/ PhD/2005	Univ of Penn/Novartis	--
Seyed Mehdi Bathaii	2005-2006	Shahid Beheshti Univ/MD/2000	Univ of Penn/Radiology Residency/Med Col VA	Mesothelioma
Felipe Martinez	2005-2006	Univ El Bosque/MD/2000	Univ of Penn/Radiology Resident Bridgeport,CT	--
Akiva Mintz	2005-2006	Milton Hershey Med Ctr/MD/2004/ Penn State/PhD/2002	T-32 Grant	Molecular imaging
Hua Carolyn Yang	2005-2006	Beijing Med Univ/MD/1984	Grants	FDG-PET in orthopedic infection
Khaled Alkhalwaldeh	2005-2006	Jordan Univ /MBBS/1997	Jordanian Gov't	FDG-PET in benign Disorders
Tevfik Fikret Cermik	2005-2006	Istanbul Univ, Cerrahpasa Medical Faculty/MD/1992	Turkish Gov't	FDG-PET in breast cancer
Chengzhong Fan	2005-2006	West China Univ of Med Sciences /MD, PhD/1999	Chinese Gov't	Partial Volume Correction with PET
Abdulkareem Alkahtani	2005-2006	King Abdulaziz Univ Med Col/MD/1995	Saudi Gov't	

Arnold Berkowitz	2004-2006	Univ of PA/ MD/1979	ACRIN	Therapy
John Hochhold	2004-2006	UMDNJ-Robert Wood Johnson/MD/2001	Univ of Penn/Attending, Phila VA Med Ctr	Hip prosthesis
Steve Huang	2004-2007	Univ of PA/ MD, PhD 2003	T-32 Grant	Development of peptides
Anthony Posteraro	2004-2005	Univ. of Conn/MD/1999	Univ of Penn/Private Practice	Correlation imaging
Kaveh Soleimanpour	2004-2005	Med Col Ohio/ MD/ 1998	Univ of Penn/Private Practice	Correlation imaging
Muammer Urhan	2004-2005	Gata Schl of Med/ MD/1992	Turkish Army	Thyroid cancer
Ronaldo Pamplona	2004-2005	Med Sci Fac State Univ of Campinas/MD/ 1995	Self	
Mohamed Houseni	2004-2005	Cairo Univ, Faculty of Med/ MD /1994	Egyptian Government	Breast cancer
Samira Al- Tailji	1/2005 7/2005	Kuwait Univ/ MD/ 1989	Kuwait Government	
Wichana Chamroonrat	2004-2007	Mahidol Univ., Ramathidobi Hosp., Thailand/ MD/ 2000	Thai Government	Atherosclerosis
Gonca Gul Bural	2003-2006	Hacettepe Univ.Schl of Med, Turkey/MD/1997	Self	Atherosclerosis
Ayse Mavi	2003-2006	Hacettepe Univ.Schl of Med, Turkey/ MD/1991	Self	Breast cancer
Henry Kim a/k/a Kenjiro Mochizucki	2003-2006	SUNY/Stony Brk/Schl of Med 1996	T-32	Clot detection Molecular Imaging
Shyam Srinivas	2003-2006	UC, Irvine Col Med/ MD, PhD/ 2002	T-32/Cleveland Clinics	Small animal imaging
Amol Takalkar	2003-2005	B.J. Medical College, India/MD/1999	Univ of Penn	PET in metastatic disease
Jian (Michael) Yu	2002-2005	Beijing Medical University/MD/1987	Univ of Penn/Fox Chase Cancer Center	PET in multiple myeloma
Ghassan El-Haddad	2003-2006	Lebanese University, Lebanon/MD/2001	Grant	Effect of age on PET
Sankaran. Shrikanthan	2003-2006	Bangalore University/ MD/1989	T-32/Cleveland Clinics	PET in lymphoma
Edgar Cheng	2003-2004	SUNY Upstate Med. Univ/MD/1998	Univ of Penn	Metastatic melanoma
T. Dhurairaj	2003-2005	Coimbatore Med Col,India/MD/1995	Univ of Penn	Brain tumors
Fani Bozkurt	2003-2004	Hacettepe Univ.Schl of Med,Turkey/MD/1997	Grant	Lymphoma
Rakesh Kumar	2003-2004	Govt Medical College, India/MD/1990	Int. Union Against Cancer (Swiss)	Breast cancer
Yan Xiu	2003-2004	Hubei Medical School/MD/1999	Grant	Parathyroid
Stephen Chiang	2002-2004	University of Illinois/MD/2001	Univ of Penn	Image registration

Bruce Lee	2002-2004	Harvard Medical School/MD/1994	Univ of Penn	Brain imaging
Joseph Lin	2002-2004	Case Western Reserve Univ/MD/2001	Univ of Penn	Gastric imaging
Chirdeep Bhutani	2001-2004	Maulana Azad Medical College/MD/1996	Univ of Penn/Radiology Residency	Atherosclerosis
Joseph Sam	2001-02	Albert Einstein College of Med/MD,PhD	Hosp Univ PA/	brain tumors
Alan Rebenstock	2001-04	New York Med Col/MD/1997	Hosp of the Univ. Pennsylvania	parathyroid Tumors
Jehanzeb Khan	2001-02	Army Med College Pakistan/MBBS/1991	Hospital of the Univ. Pennsylvania	malignant effusions
Khozaim Nakhoda	2001-02	Gujarat Univ/India MD/1987	Hospital of the Univ. Pennsylvania/Crozer-Chester Med Ctr	thyroid cancer
Peeyush Bhargava	2001-03	Ard Forces Med Col/India/MBBS/ 1997/	Hosp of the Univ Pennsylvania	Malignant effusions
Jean-Louis Alberini	2001-02	Univ of Rennes I/France/MD/1996	French Foundation	Ovarian cancer
Qi Feng	2001-02	Beijing Med Univ MD/1977	Grant	beta cell imaging
Khalid Salman	2001-02	King Saud Univ, Col of Med/MBBS/1995	Government of Saudi Arabia	bone marrow metabolism
Liang Guan	2001-02	Shanghai Univ MD/1990	Univ of Shanghai	lymphoma
ZiFen Su	2001-02	Instit of Chemistry/Beijing/PhD	Grant	Labeling peptides
Marc Hickeson	2000-02	U of Ottawa/MD/1996	Hosp. of Univ. of Pennslvania	PET and lung
Fabio Ponzo	2000-02	U of Rome, La Sapienza/MD/1991	Hosp. of Univ. of Pennsylvania	Esophageal cancer
Nasrin Ghesani	2000-01	Gov Med School, India/MD/1992	Attending/UMDNJ	Ovarian and thyroid cancer
Naheel Alnafisi	2000-01	Kuwait U/MD/1993	Kuwait Gov't	lymphoma
Frank Liu	2000 – 01	Xuzhou Med School/MD/1982	Houston VA/Baylor	Mesothelioma
Adolfo Cotter	2000 – 01	Caracas UCV/MD/1993	Grant	Parkinson's
Mijin Yun	99 - 2001	Yonsei Univ College of Med/MD/1993	Yonsei Univ, Korea	SUV & Weight Loss
Peter Brautigan	99 - 2001	MD	Govt of Luxembourg	PET bone imaging
Hongming Zhuang	98 - 2001	Bejing Medical Univ/MD,PhD/1983	Chief, Nuclear Medicine/CHOP	Gene Transfer Imaging
Michael Kaufman	99 - 2000	U Pittsburgh Med. School/MD/1993	Pennsylvania Hosp	Breast Cancer Imaging
Partha Sinha	99 - 2000	Univ of Calcutta/MD/1988	Univ of Kentucky	Multiple Myoloma

David Yeh	99 - 2000	New York Univ School of Med/MD/1994	Hospital U. Pennsylvania	Atherosclerosis
Anthony Larhs	98 - 2000	Univ of Toronto/MD/1993	Hosp Univ of Pennsylvania	Sentinel Node Imaging
Alexander Matthies	98 - 2000	Georg-August Univ/MD/1992	U of Bonn, Germany	Radioimmuno-therapy
Mary Beth Sabol	98 - 99	Jefferson Med College/MD/1991	Hosp Univ of Pennsylvania	Coronary Artery Disease
Robert Fournier	98 - 99	Georgetown Univ/MD/1990	Warminster Hosp	PET & Colon Cancer
Donald Lien	98 - 99	Univ of Pennsylvania/MD/1993	DRA Imaging, NY	VQ & COPD
Trong Ta Thu	98 - 99	CHO Ray Hosp/MD/	Inst. Atomic Commission	General Nuclear Med
Peiyong Li	98 - 99	Rui Jin Hosp/MD/1990	Chief, Nuc Med, U of Shanghi	PET, Head & Neck CA
Olivier Couturier	98 - 99	Place Alexis Ricordeak/MD/1995	Faculty, Place Alexis Ricordeak, France	Brain Tumor Gene Ther
Paolo Castellucci	98 - 99	Univ of Bologna/MD/1994	Trainee, U of Bologna	Bone Marrow Eval w/PET
Vincent Quinn	98 - 99	Hahneman/MD/1985	Personal	Cardiac Imaging
Lalitha Shankar	97-99	Bangalore Univ/MD, PhD/1995	Faculty, Georgetown U	Ovarian Cancer
Andrew Newberg	97-98	Univ of Pennsylvania/MD/1993	Attending, Hosp U of PA	Alzheimer's Disease
Timothy Manzone	97-98	Univ of Pennsylvania/MD1989	VA Med Ctr, DE	Hypernephrosis
Karan Lotfi	97-98	Univ of Pennsylvania/MD/1993	Western PA Hosp	Neuroendocrine Tumors
Daniel Eisenberg	97-98	Univ of Pennsylvania/MD/1992	Albert Einstein Med Ctr	Brain Death
Francois Benard	95-98	Univ de Sherbrooke/MD/1991	Director of PET, U de Sherbrooke	PET in Cancer

Anish Bhatnagar	97-98	Sawai Man Singh Med College/MD/1992	Medical Director, Titan Pharm.	Radioimmuno-therapy
Roland Hustinx	97-99	Univ de Liege/MD/1992	Faculty, Univ de Liege	Brain Tumor/Gene Therapy
Gustavo Mercier	97-98	Mt Sinai/MD, PhD/1984	Hillcrest Med Ctr	Parkinson's Disease
Supatporn Tepmongkol	97-98	Chulalongkorn Univ/MD/1994	Faculty, Chulalongkorn U	Pediatrics
Jiraporn Mangkharak	97-98	Mahidol Univ/MD/1987	Faculty, Mahidol U	Clinical
Darryl Shnier	96-97	Univ of Melbourne/MD/1985	Faculty, Hammersmith Hosp	Pulmonary Embolism
Marchello Barbarisi	96-97	Temple Univ Hosp/MD/1992	Bryn Mawr Hosp	Atherosclerosis
William Berry	96-97	Indiana Univ School U/MD/1992	North West Radiology	Brain Tumors
Steven Chmielewski	96-97	Jefferson School of Med/MD/1991	Good Samaritan Hosp	Albutral on COPD
Eugene Lin	96-97	St Louis Univ Hosp/MD/1992	Faculty, U of Colorado	Renal Transplant
Joseph Viggiano	95-96	UMDNJ , NJ Med School/MD/1990	Staff, St. Barnabas Med Ctr	Cardiac Imaging
Ronald Korn	95-96	Univ of Pennsylvania/MD/19	Chief, Radiology, Scottsdale Med Imag	PET/ColorectalCA
Savas Ozdemir	95-96	Uludag Univ School of Med/MD/1987	Chief, Nuc Med, U Florida	PET in Lung Cancer
Sandeep Rao	96-96	U Michigian/MD/1994	Wm Beaumont Hosp	Lung Volume Sharing
Manish Goyal	94-95	Univ. of Delhi, India	Univ. Hospital Health Systems, Canton OH	MR-PET co-registration
Pinar Ozgen	94-95	Hacettepe Univ, Turkey/MD	Faculty, Hacettepe Univ, Turkey	Bone Marrow
Gregory Elberfeld	94-95	Hahnemann Univ/MD/1987	Pottsville Radiology	Clinical
Gregory Turner	94-95	Hahnemann U/MD/89	Windham Radiology	Pulmonary Embolism
Sanjaya Viswamitra	94-95	Jawaharlal Inst(MIPMER)/MD/91	Univ. of Arkansas, Little Rock	Low Back Pain
Helene Reich	93-94	Mercy Catholic Medical Ctr./MD/88	Albert Einstein	Biliary Leaks
David Duncan	93-95	MaxPlank Institute/MD/1988	Staff, Hosp Sick Children, NY	SPECT in Visual Field Defects
Bruce Zukerberg	93-95	Medical College of Virginia/MD/1990	Del Ray Comm Hosp	SPECT Gated Blood Pool
Mark Graves	93-95	Hanot Medical Center/MD/1982	Welborn Baptist	Pulmon Embo (PIOPED)
Carlos Buchpique	93-94	Univ of Sao Paulo, Brazil/MD,PhD/1992	Chief, Nuc Med, Univ of Sao Paulo	Lung, Brain, Breast Cancer
Franz Payer	92-94	University of Graz/MD	Faculty, Univ of Graz	PET, SPECT of Dementia

Jamil Mohsin	92-94	New York Medical College/MD/1988	SUNY	Breast & Lung Cancer
Ka Ming Tse	92-94	Maryland General Hosp/MD/1988	Chief, Nuc Med, Univ Hong Kong	Lung Cancer

**Abass Alavi, M.D.**

**Active:**

- R21 Pablo Tebas, MD & 1/1/2014-6/30/2015  
NIH (NIDA) Abass Alavi  
Evaluating the impact of cocaine use and HIV infection in arterial wall inflammation by FDG-PET/CT imaging  
To evaluate the effects of cocaine use and HIV infection in arterial wall inflammation across 4 cohorts (subjects with HIV infection and cocaine use on well controlled viral replication, subjects with HIV infection and no cocaine use or any other substance use on well controlled viral replication, subjects without HIV infection and cocaine use, and healthy volunteers without HIV infection or cocaine use) as measured with FDG-PET/CT
- Alavi, Abass M.D. 11/01/2013-6/30/2015  
Penn CFAR Pilot Program  
Assessment of Cardiovascular and Central Nervous System Complications of HIV/AIDS by PET/CT Imaging
- R01-HL111293-01 Gelfand, Joel M.D. 3/1/2012-2/28/2017  
NIH (Alavi, Abass: Principal Imaging Collaborator)  
A Trial to Determine the Effect of Psoriasis Treatment on Cardiometabolic Disease  
The major goal is to investigate the effects of selective systemic immunomodulation with adalimumab on vascular and systemic inflammation as measured by FDG-PET/CT imaging and on cardiometabolic biomarkers in patients with moderate to severe psoriasis, as compared to the effects of localized, skin-directed therapy with narrow-band UVB phototherapy or placebo
- R01 David Wolk, MD 7/2/2012-7/1/2017  
NIH  
Optimized Arterial Spin Labeling MRI for Cognitive Decline  
The major goal is to show that arterial spin labeling (ASL) MRI produces similar findings as a FDG-PET scan.
- CHOP P30-HD026979-21 Alavi, Abass M.D. 8/1/2010-6/30/2015  
CHOP/NIH  
Intellectual and Developmental Disabilities Research Center-Neuroimaging Core  
The major goal is to provide quantitative structural, physiological and functional imaging for children and adolescents, and to provide non-invasive and physiologically-specific imaging indices to evaluate behavioral and pharmaceutical therapies
- Novelos Therapeutics, Inc. Alavi, Abass M.D. 1/1/2014-6/30/2015  
Novelos Therapeutics, Inc.  
Phase 2, Open-Label, Imaging Trial of I-124-CLR1404 in Patients with Newly Diagnosed or Recurrent Glioblastoma  
To determine the optimal dose and imaging time point(s) of I-124-CLR1404 in subjects with newly diagnosed and recurrent glioblastoma to be used in future trials.
- Past:**  
BioMed Valley Alavi, Abass MD 1/01/2013-12/30/2013  
Discoveries  
BioMed Valley  
Discoveries  
Sensitivity and Specificity of [124I]FIAU PET-CT Scanning in Detecting Prosthetic Joint Infection in Patients

Presenting with Pain in a Prosthetic Knee or Hip Joint (BVD002)

BioMed Valley                      Alavi, Abass MD                      1/01/2013-12/30/2013  
Discoveries  
BioMed Valley  
Discoveries  
Exploration of the use of [124I]FIAU Positron Emission Tomography-Computed Tomography Scanning in Diagnosing Osteomyelitis in Patients with Diabetic Foot Infection (BVD003)

R01-HL089447-01A1                      Schwab, Richard                      9/20/2008-5/31/2012  
NIH  
Obesity & OSA: Understanding the importance of tongue fat and metabolic function  
The major goal is to understand the relationship between obesity and obstructive sleep apnea

ACRIN #6678                      Torigian, Drew, M.D.                      1/1/2007-12/31/2011  
  
FDG-PET as a predictive marker of tumor response and patient outcome prospective validation in non-small cell lung cancer  
The major goal is to determine if FDG-PET/CT scans can help physicians decide if chemotherapy is working to control lung cancer by providing an early readout for the effectiveness of therapy by showing quantitative changes in FDG uptake during chemotherapy.

R01-AR048241-03                      Alavi, Abass M.D.                      9/27/2002-8/31/2006  
NIH  
FDG-PET Imaging in Painful Hip Prosthesis  
To determine the efficacy of FDG-PET imaging in the management of a painful total hip prosthesis in a large patient population.

R01-DK063579-03                      Alavi, Abass M.D.                      9/30/2002-7/31/2006  
NIH  
FDG-PET Imaging in Complicated Diabetic Foot  
To determine the efficacy of FDG-PET imaging of osteomyelitis or deep infection in patients with diabetic foot.

T32-CA093258-02                      Alavi, Abass M.D.                      5/1/2003-4/30/2008                      0%  
NIH  
Training in Cancer Imaging with Novel Techniques  
To develop quality, independent investigators in radiology who will focus their scientific efforts in oncology research.

Corixa Corp.                      Alavi, Abass M.D.                      6/1/2003-5/1/2008                      .7%  
Corixa  
A Multi-Center, Randomized, Bioequivalence Study of Tellurium-derived vs. Fission-derived Iodine I 131 Tositumomab (Bexxar) for Patients with Relapsed Follicular or Transformed Follicular Non-Hodgkin's Lymphoma  
To assess the bioequivalence of Fission-derived and Tellurium-derived Iodine I 131 by comparing blood pharmacokinetics, organ and tumor dosimetry, and biodistribution of the respective sources of iodine when conjugated to tositumomab.

P01-CA85424-04 Proj. #3                      Abass Alavi M.D.                      9/17/2001-8/31/2006  
NIH



Evaluation of Multi-Modality Breast Imaging

The major goal of this program is to develop an understanding of the relative performance of the new generation of breast imaging modalities.

U54-CA105008-03 El-Deiry, Wafik, M.D., Ph.D. 9/26/2003-8/31/2008

NIH

Network for Translational Research: Optical Imaging

To develop better methods for early cancer detection.

R21-AT000960-01A1 Farrar, John, M.D. 9/1/2003-5/31/2006

NIH

Brain Imaging - Acupuncture and Osteoarthritis

To allow a comprehensive study of the effect on cerebral blood flow of acupuncture therapy.

CA89480-03 Greene, Mark, M.D., Ph.D. 5/13/2002-4/30/2006

NIH

Novel Approaches to Cancer Therapy

The goals are to create peptidic forms of several classes of molecules that may aid in the development of an immune response to transformed cells or that might disable the transformed phenotype more effectively.

R01-CA10923-02 Alavi, Abass M.D. 4/1/05 - 3/31/09

Thomas Jefferson

University

PET Imaging of Breast Cancer Using Oncogene Expression

To develop a PET molecular imaging technique that will target early breast cancer.

P01-CA117912-01 Evans, Sydney 12/1/05 - 11/30/10

NIH

Glioma microenvironment: Imaging and therapy resistance

To determine how the TME is involved in resistance and to develop imaging procedures that measure and monitor microenvironmental factors.

Karp, Joel, Ph.D. 1/1/2005-12/31/2007

ACRIN PET Core Lab

ACRIN/PA Dept of Health

ACRIN Services Agreement

To develop and operate a PET laboratory.

Rizi, Rahim, PhD 8/1/2004-7/31/2008

R01-HL077241-01

NIH

Imaging Regional Physiologic Parameters of Lung Function

To more accurately detect early abnormalities in lung function than existing methods.

P01-CA85424-04-Proj. #2 Schnall, Mitchell, M.D., 9/17/2001-8/31/2006  
Ph.D.

NIH

Evaluation of Multi-Modality Breast Imaging

The major goal of this program is to develop an understanding of the relative performance of the new generation of breast imaging modalities.

**Pending:**

1 R01 AG051664-01

Alavi, Abass, MD

10/1/2015 -9/30/2020

NIH

Determining the Role of Novel Molecular and Structural Imaging Techniques in Assessing Deleterious Effects of Cerebrovascular Disease on Alzheimer's Dementia

The major goal of the proposed research is to explore the diagnostic utility of FDG-PET imaging along with <sup>18</sup>F-Sodium Fluoride (NaF) PET in order to detect and quantify atherosclerosis in patients with AD and those with CVD/CRFs.

Offering an array of programs for medical education, physician assistants, graduate students and more, the College offers all the training and experience students need to be successful. What's Happening at Penn State College of Medicine. Dec 18, 2019. Penn State PRO Wellness goes Full STEM Ahead with vaccine study in Lancaster School District. Dec 18, 2019. Dokholyan elected Fellow of American Association for the Advancement of Science. Dec 18, 2019. Biodevices FacultyXchange event will bring together faculty, staff and others across Penn State. Medical school in Philadelphia, Pennsylvania. Always open. CommunitySee all. Columbia University Irving Medical Center. Medical research centre. Lewis Katz School of Medicine at Temple University. College & University. GAPSA - Graduate and Professional Student Assembly. College & University. Latino Medical Student Association (LMSA) at the University of Pennsylvania. Non-profit organisation. Elsevier Clinical Solutions. The University of Pennsylvania was home to the first medical school and first school hospital in the country. Today, the School of Medicine is affiliated with the Hospital of the University of Pennsylvania, Penn Presbyterian Medical Center, and Pennsylvania Hospital. Students can earn M.D., Ph.D., M.D.-Ph.D., master's, M.D.-master's, or post-doctoral degrees. Students can double up on degrees at any other school at Penn, such as the highly ranked Wharton School. Notable alumni of the Penn School of Medicine include two Nobel Prize winners, Michael Stuart Brown and Stanley Prusiner, and George McClellan, the founder of Jefferson Medical College, now known as Thomas Jefferson University. More from UPenn. Colleges. Graduate Schools. Global Universities.