



## LETTER FROM THE EDITORS

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### MOLECULAR IMAGING DATABASE

The Journal initiated a survey of centers within and outside of the USA in response to the interest of many trainees in molecular cardiovascular imaging. Emails were sent to Associate and Guest Editors, Editorial Board members, and others suggested by these people. We asked potential responders to use the definition of molecular imaging as articulated by Mankoff DA in JNM 48(6)18N, 2007 (<https://www.abnm.org/index.php/sample-page-2/what-is-molecular-imaging/>). We recognize that the process is not perfect, and some responders may have confused multimodality imaging with molecular imaging, while true sites with molecular imaging are not accounted for, and so there are errors on both sides. We also recognize that we should have included optical imaging in the survey letter, and we plan to do so when we update the list. The important thing however is that this is the start of a process which likely needs updating frequently. The reasons for making it available are twofold: (1) as a source of information for those seeking additional training and (2) encourage authors whose centers are not listed here to complete the simple survey form (see right hand column) and to return it to us (at [aiskand@uab.edu](mailto:aiskand@uab.edu)). The table below contains a list of what we have so far.

Please note that this survey is for Molecular Cardiac Imaging only.

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1. Name of Institution:			
2. Name of contact person:			
3. Phone of contact person:			
4. Email of contact person:			
5. Available Molecular imaging modalities:			
a. Nuclear SPECT	Yes	No	
b. Nuclear PET	Yes	No	
c. MRI	Yes	No	
d. Cardiac CT	Yes	No	
e. Cardiac ECHO	Yes	No	
6. Is there a training program?	Yes	No	
7. How long?	1 years	2 years	
8. What type of training?	Clinical	Basic	Both
9. Is funding available?	Yes	No	
10. Are outside applicants accepted?	Yes	No	

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We hope our readers will find it useful.  
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<b>Institution</b>	<b>Contact person</b>	<b>Phone</b>	<b>Email</b>	<b>SPECT</b>	<b>PET</b>	<b>MRI</b>
USA						
Columbia University Medical Center	Sabahat Bokhari, MD	212-305-4275	sb605@cumc.columbia.edu	Yes	Yes	Yes
Brigham and Women's Hospital	Marcelo F. Di Carli, MD	617-732-6291	mdicarli@partners.org	Yes	Yes	Yes
Mount Sinai Heart	Jagat Narula, MD	212-523-4009	narula@mounsinai.org	Yes	Yes	Yes
Cedars-Sinai Medical Center	Daniel S. Berman, MD	310-423-4223	bermand@cshs.org	Yes	Yes	Yes
Mayo Clinic, Rochester, MN	Martin Rodriguez-Porcel, MD	507-284-1648	rodriguez.m@mayo.edu	Yes	Yes	Yes
Oregon Health & Science University	Jonathan R. Lindner, MD	503 494-9191	lindnerj@ohsu.edu	Yes	Yes	Yes
University of California San Francisco	: Youngho Seo	415 353-9464	Youngho.Seo@ucsf.edu	Yes	Yes	Yes
Stanford University	Joseph Wu /Patricia Nguyen, MD	650-815-8151	pknguyen@stanford.edu	Yes	No	Yes
Mount Sinai St. Luke's and West	G. DePuey/ A. Rozanski, MD	212-523-3400	edepuey@chpnet.org	Yes	Yes	Yes
Yale University School of Medicine-1	Albert Sinusas, MD	203-785-5005	albert.sinusas@yale.edu	Yes	Yes	Yes
Yale University School of Medicine-2	Mehran Sadeghi, MD	203 737 6954	Mehran.sadeghi@yale.edu	Yes	Yes	Yes
University of Pittsburgh	Flordeliza Villanueva, MD	412 647 5840	Villanuevafs@upmc.edu	No	No	No
University of Alabama at Birmingham	Fadi Hage, MD	205-975-7123	fadihage@uab.edu	Yes	Yes	Yes
Massachusetts General Hospital-1	Ahmed Tawakol, MD	617-726-0791	atawakol@mgh.harvard.edu	Yes	Yes	Yes
Massachusetts General Hospital-2	Farouc Jaffer, MD	617 7249353	fjaffer@mgh.harvard.edu	Yes	Yes	Yes
University at Buffalo	Saurabh Malhotra, MD	716-829-2663	smalhot@buffalo.edu	Yes	Yes	Yes
Icahn School of Medicine. Translational and Molecular Imaging Institute	Zahi Fayad, Director TMII	212-824-8452	zahi.fayad@gmail.com	No	Yes	Yes
Outside USA						
University of Naples	Alberto Cuocolo, MD	+39 081 7462044	cuocolo@unina.it	Yes	Yes	Yes
Quanta Diagnostico & Terapia	Joao V. Vitola, MD, PhD	55-41-33629778	joaovitola@quantam.com.br	Yes	No	Yes
Spedali Civili di Brescia	Raffaele Giubbini, MD	390303995400	raffaele.giubbini@unibs.it	Yes	Yes	Yes
Seoul National University Hospital	Dong Soo Lee, M.D., Ph.D	82-2-2072-3341	dsl@snu.ac.kr	Yes	Yes	Yes

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<b>Institution</b>	<b>Contact person</b>	<b>Phone</b>	<b>Email</b>	<b>SPECT</b>	<b>PET</b>	<b>MRI</b>
University of Ottawa Heart Institute	Benjamin Chow, MD	1-613-761-4044	bchow@ottawaheart.ca	Yes	Yes	No
University Medical Center Groningen	Prof dr Riemer HJA Slart	0031-50-3611835	r.h.j.a.slart@umcg.nl	Yes	Yes	Yes
Hokkaido University, Sapporo JAPAN	Nagara Tamaki MD, PhD	81-11-706-5150	natamaki@med.hokudai.ac.jp	Yes	Yes	Yes
Nuklearmedizinische Klinik der Technischen Universität München	Stephan G. Nekolla, MD	+49 89 4140 2959	Stephan.nekolla@tum.de	Yes	Yes	Yes
Hôpital Bichat, AP-HP, Université Paris 7, Inserm U1148	Pr Dominique Le Guludec, MD	00 33 1 40 25 84 13	dominique.leguludec@gmail.com	Yes	Yes	Yes
King Abdulaziz Cardiac Center, Riyadh, Kingdom of Saudi Arabia	Dr Mouaz H Al-Mallah, MD	966 11 801 1111 x 16594	mouaz74@gmail.com	Yes	Yes	Yes
Royal Brompton & Harefield NHS Foundation Trust, London, UK	Prof S R Underwood, MD	44 207 351 8884	strunderwood@imperial.ac.uk	Yes	Yes	Yes
Fondazione Toscana G. Monasterio & CNR Institute, Pisa, Italy	Daniilo Neglia, MD	0039 335 5857594	dneglia@ifc.cnr.it	Yes	Yes	Yes
University Hospital Zurich, Zurich, Switzerland	Ronny R. Buechel, MD	41 44 255 10 59	ronny.buechel@usz.ch	Yes	Yes	Yes
Università Vita Salute San Raffaele, Milan Italy	Prof. Paolo G. Camici, MD	39 02/26436206	camici.paolo@hsr.it	Yes	Yes	Yes
Department of Nuclear Medicine, Hannover Medical School	Frank M. Bengel, MD	49-511-532-2577	nuklearmedizin@mh-hannover.de	Yes	Yes	Yes

Institution	CCT	Echo	Training	How long (yr)	*Type	Funding	Are outside applicants accepted
USA							
Columbia University Medical Center	Yes	Yes	Yes	1	Clinical	Yes	Yes
Brigham and Women's Hospital	Yes	Yes	Yes	2	Both	Yes	Yes
Mount Sinai Heart	Yes	Yes	No	No		No	Yes
Cedars-Sinai Medical Center	Yes	Yes	Yes	2	Both	Yes	Yes
Mayo Clinic, Rochester, MN	No	Yes	Yes	Two	Both	Yes	Yes
Oregon Health & Science University	No	Yes	Yes	2	Both	Yes	Yes
University of California San Francisco	Yes	Yes	Yes	1	Clinical	Yes	Yes
Stanford University	Yes	Yes	Yes	1	Both	Yes	Yes
Mount Sinai St. Luke's and West	Yes	Yes	Yes	1	Clinical	No	Yes
Yale University School of Medicine-1	Yes	Yes	Yes	2 (T-32 grant)	Both	Yes	Yes
Yale University School of Medicine-2	Yes	Yes	Yes	2 (T-32 grant)	Both	Yes	Yes
University of Pittsburgh	No	Yes	Yes	1 (T-32 grant)	Both	Yes	Yes
University of Alabama at Birmingham	Yes	Yes	No	No	Clinical	No	Yes
Massachusetts General Hospital-1	Yes	Yes	Yes	2	Both	Yes	Yes
Massachusetts General Hospital-2	Yes	Yes	Yes	2	Both	Yes	Yes
University at Buffalo	Yes	Yes	Yes	PhD program	Both	Yes	Yes
Icahn School of Medicine.	Yes	No	Yes	02-Jan	Basic	No	Yes
Translational and Molecular Imaging Institute							
Outside USA							
University of Naples	Yes	Yes	No	No	No	No	No
Quanta Diagnostico & Terapia	Yes	Yes	No	No	No	No	No
Spedali Civili di Brescia	Yes	Yes	Yes	4	Both	Yes	No
Seoul National University Hospital	Yes	Yes	Yes	2	Both	Yes	Yes
University of Ottawa Heart Institute	No	No	Yes	02-Jan	Both	Yes	Yes
University Medical Center Groningen	Yes	Yes	Yes	1	Clinical	No	Yes
Hokkaido University, Sapporo JAPAN	Yes	Yes	No	No	No	No	Yes
Nuklearmedizinische Klinik der	No	No	No	2	Both	Yes	Yes
Technischen Universität München							
Hôpital Bichat, AP-HP, Université Paris 7, Inserm U1148	Yes	Yes	Yes	2	Both	Yes	No, but there are grants to apply
King Abdulaziz Cardiac Center, Riyadh, Kingdom of Saudi Arabia	Yes	Yes	Yes	2	Clinical	Yes	Yes, if they have their own funding

continued

<b>Institution</b>	<b>CCT</b>	<b>Echo</b>	<b>Training</b>	<b>How long (yr)</b>	<b>*Type</b>	<b>Funding</b>	<b>Are outside applicants accepted</b>
Royal Brompton & Harefield NHS Foundation Trust, London, UK	Yes	Yes	Yes	Two	Both	No	Yes
Fondazione Toscana G. Monasterio & CNR Institute, Pisa, Italy	Yes	Yes	Yes	1	Both	No	Yes
University Hospital Zurich, Zurich, Switzerland	Yes	No	Yes	1	Both	No	Yes
<i>Università Vita Salute San Raffaele, Milan Italy</i>	Yes	Yes	Yes	1	Clinical	No	No
Department of Nuclear Medicine, Hannover Medical School	Yes	Yes	Yes	1-2 (variable)	Both	Yes	Yes