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MEDICAL IMAGING:
ONCOLOGY EXPERTISE

In today’s competitive pharmaceutical marketplace, it is vital to select the best drug candidates and move them through the development process as quickly as possible. Given the challenges of developing new oncology treatments, choosing a development partner with a broad range of therapeutic, clinical, and regulatory experience—plus global reach—gives you access to the resources you need to reduce the risk of costly delays and improve your chance for market success. Oncology comprises the largest component of PAREXEL Informatics’ medical imaging experience with over 50% of our engagements covering the full spectrum of oncology indications; spanning across all phases. In combination with scientific advisors, PAREXEL Informatics has been involved, not only with implementing the independent review of analysis criteria, but also with the development and customizations of complex criteria. PAREXEL is the leading core lab for central review in oncology.

PAREXEL Informatics Clinical Trial Experience in Oncology (past 5 years)

When you partner with PAREXEL, you partner with a team of experienced in-house medical imaging and oncology specialists, including radiologists, imaging physicists, and oncologists. PAREXEL also maintains key relationships with therapeutic leaders in oncology through our highly valued scientific advisors who bring real-world clinical experience, clinical trial expertise, and imaging proficiency together with their knowledge of central review, as well as practical imaging and clinical data review solutions. PAREXEL provides guidance and support for all standard modalities used in clinical trials today for imaging oncology patients, including computerized tomography (CT), magnetic resonance imaging (MRI), X-ray, dynamic contrast-enhanced MRI (DCE-MRI), fluorodeoxyglucose (FDG) and fluorothymidine positron emission tomography (FLT-PET), positron emission tomography–computed tomography (PET-CT), and laparoscopic video across various analysis criteria including solid tumors, hematological malignancies, metabolic response, and additional criteria across other indications. The PAREXEL medical team is available to support trials from protocol development, to charter submission, to final data submission and beyond. Our team also has significant experience acting as a liaison with regulatory agencies.
Oliver Bohnsack, M.D., Ph.D., MBA
Senior Director, Medical Affairs

Oliver is the senior director of medical affairs. Based in Berlin, Germany, he is also the head of Oncology and medical relations for Europe. Oliver has significant experience in leading and managing the imaging component of multiple oncology clinical trials. He has developed numerous imaging charters for these studies with various indications and various complexities, in Phases II and III with and without regulatory submission.

**Education**

Oliver received his medical degree in internal medicine, radiology and surgery from the University of Essen. He finished his diagnostic radiology residency in Germany, as well. He earned his MBA in health care management from the University of California, Irvine and his Ph.D. in radiology from the University of Munich.

**Work Experience**

Oliver is a board-certified radiologist with broad clinical radiology experience, gathered at various hospitals in Germany and the United States. Following his career in Diagnostic and Interventional Radiology and before joining PAREXEL in 2003, he served as a consultant to the CRO industry and held positions with Siemens Medical Solutions as product manager and later manager for customer training and education.

**Development Area:**
MEDICAL IMAGING

**Lead therapeutic Area(s):**
ONCOLOGY
HEMATOLOGY

**Geographic Responsibility:**
EUROPE AND REST OF WORLD
Annette M. Schmid, Ph.D., is a medical director and head of oncology strategy for PAREXEL Informatics. Annette is involved in industry-wide organizations such as Quantitative Imaging Biomarkers Alliance (QIBA), on the steering committee, FDG-PET (fluorodeoxyglucose-positron emission tomography), on the technical committee and Pharmaceutical Imaging Network for Therapeutics and Diagnostics (PINTAD, co-chair). She provides medical and imaging expertise to internal PAREXEL teams and consults with clients. Dr. Schmid has lead numerous trainings, webinars and discussions on a variety of assessment criteria, including modified RECIST (mRECIST) for liver cancer (HCC), "standard" response evaluation criteria in solid tumors (RECIST), prostate cancer working group 2 (PCWG2), immune-related response criteria (irRC), European Organization for Research and Treatment of Cancer (EORTC) and PET response criteria in solid tumors (PERCIST) for positron emission tomography (PET). While at PAREXEL, Annette has spent the majority of her time working on trials in the field of oncology but she also has experience supporting studies in the musculoskeletal, cardiovascular and neurology field.

Work Experience
Before joining PAREXEL, Annette spent 10 years in academia and research at the Institute of Neurology in London, UK, Boston University (Department of Bioengineering), Massachusetts General Hospital (Harvard Medical School) and in the capacity of research assistant professor at Tufts University (Department of Psychology). During those years, her research and teaching concentrated on imaging modalities ranging from functional, structural and micro-imaging in magnetic resonance imaging (MRI) to electroencephalography (EEG), magnetoencephalography (MEG), PET and various microscopic and radioisotope labelling techniques. Annette focused most of her research on the field of neuroscience along with improving and integrating various imaging techniques for basic research and clinical trials (specifically Parkinson’s disease and Huntington’s disease).

Education
Annette received her Ph.D. in Cell and Developmental Biology from London University, QMW, London UK in 1999. She achieved her undergraduate degrees from the London University, QMW, London UK and Fachhochschule des Bundes, Bonn, Germany.
Richard Jacobs, M.D., M.H.A.
Senior Vice President, Medical Affairs

An esteemed radiologist, Richard is PAREXEL's Senior Vice President of Medical Affairs where he has been a leader of PAREXEL Informatics’ medical imaging management team for more than 16 years. He is PAREXEL Informatics’ most experienced medical leader for worldwide clinical trials. He has advised many of the world’s largest pharmaceutical, biotechnology and medical device companies on the use of imaging to determine the effectiveness and safety of their products. He established the PAREXEL Medical Group; now more than 30 full-time medical experts including specialists in radiology, neuroradiology, nuclear medicine, oncology, and cardiology, bone metabolism, magnetic resonance (MR) physics and arthritis located in Boston, Berlin and Hyderabad. He also established the company’s panel of more than 30 Scientific Advisors, many of who are world renowned, and 330 active physician consultants in radiology, oncology and cardiology. Richard has established multiple dedicated PAREXEL-imaging reading sites in the US, the EU and in India. He has chaired or lectured throughout the United States, Europe and Asia at conferences on the impact of medical imaging in clinical trials.

Work Experience
Prior to joining PAREXEL, Richard served as chairman of the Department of Radiology and Diagnostic Imaging at Memorial Health Care for six years. Following the merger with UMass, Richard was vice-chair of the Department of Radiology at UMass Memorial Health Care.

Education
Richard received his medical degree from the University of Massachusetts Medical School. He completed his radiology residency at the Mt. Auburn Hospital in Cambridge and a fellowship at the Deaconess Medical Center.

Development Area:
MEDICAL IMAGING

Lead Therapeutic Area(s):
ONCOLOGY/HEMATOLOGY
MUSCULOSKELETAL
CARDIOVASCULAR (SAFETY & EFFICACY)

Geographic Responsibility:
GLOBAL
Manish is a senior director of scientific and medical affairs. He has over 12 years medical imaging and regulatory experience in the clinical research and pharmaceutical industry. He joined PAREXEL originally in 2007. Manish has been instrumental in designing medical strategy for regulatory submissions across several global regulatory agencies. He has closely worked with sponsors and regulatory agencies to define global biosimilar initiatives. He has supported development and registration pathways including study design, regulatory advice, endpoint selection and protocol development.

Work Experience
Manish is a radiologist with broad clinical radiology experience. He has been working in the Asia Pacific region for development of Central Review Systems with PACS and their customization for various assessment criteria. He has been instrumental in building review platforms including PACS and has supported its commercialization across the industry including hospitals, imaging facilities, and core labs.

Education
Manish has an excellent professional and educational background receiving his Bachelor of Medicine, Bachelor of Surgery in 2000, graduating first class. He went on to receive gold medals for both his Post Graduate Diploma in Medical Radiology and Electrology (2003) and his Doctor of Medicine degree (2004). He has obtained various honors and certifications throughout his professional career. In 2011, he has received HIPAA Compliance Training from John Hopkins and a Master Certificate in Business Management. He achieved an ICH GCP Certificate Training in 2012. In addition to this, Manish is fluent in English, Hindi, and Gujarati.
John supports PAREXEL trials and sponsors by offering general protocol and criteria considerations, advice on criteria implementation during charter development, and has served as an independent reviewer.

Work Experience

John is currently the director of neurology at Swedish Neuroscience Institute in Seattle, Washington. John is also medical director of the Center for Advanced Brain Tumor Treatment at Swedish, where he is also a practicing staff neuroradiologist. He has an appointment at the University of Washington School of Medicine as clinical associate professor of neurology. Previously, John served as associate neurologist at Massachusetts General Hospital (MGH) and associate professor at neurology at Harvard Medical School.

Throughout his academic and professional career, John has advanced the field of neurology through education and research. He has published 100 papers, reviews, and book chapters in the field of neuro-oncology, neurovirology, and neuroimaging. While serving as executive director of the MGH Brain Tumor Center, John built the Center into a multidisciplinary clinical center for the diagnosis and treatment of brain tumor patients. Through his active fundraising for the Center, the Stephen E. and Catherine Pappas Center for Neuro-oncology was founded. After completing a two-year neuroradiology fellowship at MGH, John had an active radiology practice at MGH for five years in addition to his neuro-oncology practice in the Pappas Center. Most of his research is now focused on brain tumor imaging. He acts as central neuro-radiology reviewer for institutional and industry trials in neuro-oncology.

Education

John earned his M.D. at Loma Linda University School of Medicine. Following a residency in Neurology at Vanderbilt University Medical Center, John completed a three-year fellowship in neuro-oncology at Memorial Sloan-Kettering Cancer Center.
PAREXEL has partnered with Bruce since 2009 to improve, in particular, the understanding and application of the IWG-NHL 2007 criteria and to develop consistent guidelines for clinical trials. He has also been a valued advisor to sponsors and internal teams on wider questions of patient status determinations and protocol questions in hematological malignancies.

Work Experience

Bruce has authored over 350 medical publications and abstracts and has contributed to more than 50 texts. He is on the editorial board of numerous journals including Oncology and Oncology News international and was formerly associate editor of the Journal of Clinical Oncology. He is editor-in-chief of Clinical Lymphoma and Myeloma and Clinical Advances in Hematology and Oncology. He has also been the editor of the American College of Physician’s Medical Knowledge Assessment Program in Oncology and the ASCO SEP. He has served on several committees of the American Society of Clinical Oncology and was on its Board of Directors, and edited ASCO News and ASCO Daily News. From 2002-2006, he was on the Oncologic Drug Advisory Committee to the U.S. Food and Drug Administration. He currently chairs the Lymphoma Committee of the Cancer and Leukemia Group B and the American Joint Committee on Cancer (AJCC) Sub-committee on Lymphoma, and is co-chair of the International Harmonization Project in Lymphoma. He is on the Scientific Advisory Board of the Lymphoma Research Foundation and is its president-elect.

Since 2002, Bruce has been professor of medicine, head of hematology, and director of hematology research at Georgetown University Hospital. From 1986 to 2002, he was head, Medicine Section, Cancer Therapy Evaluation Program (CETP) at the National Cancer Institute. From 1977 to 1984, he was assistant professor of medicine in the Division of Hematology/Oncology at the University of Utah.
Education

Bruce attended the University of Virginia and Tufts University Medical School. He completed his internship and residency in internal medicine at the University of Virginia Hospitals and a clinical and research fellowship in hematology at New England Medical Center Hospital.
PAREXEL has worked with Riccardo since 2005 where he served as an expert independent reviewer. He has been a formal scientific advisor since 2008, particularly in the growing program of liver cancer (HCC) trials. He offers valuable advise to sponsors, collaborates on independent reviewer trainings on the modified criteria for HCC, has engaged as expert adjudicator, and consulted on site/central discordance cases.

**Work Experience**

Riccardo is the director of the Division of Diagnostic Imaging and Intervention in the Department of Hepatology and Liver Transplantation at Pisa University Hospital in Italy. He is also an associate professor of radiology in the Faculty of Medicine of the University of Pisa and the president of the Fellowship Programme on Hepato-Biliary Diseases and Liver Transplantation.

His research focuses on image-guided interventional oncology. He has worked as principal investigator on numerous multicenter Phase II-III clinical trials investigating novel interventional strategies for the treatment of solid cancers, particularly hepatocellular carcinoma.

Riccardo takes an active role in numerous academic and scientific organizations. He is currently Chairman of the Membership Committee and a member of the Executive Committee of the Cardiovascular and Interventional Radiological Society of Europe, and a member of the Advisory Board of the European Conference on Interventional Oncology. Riccardo has been one of the founders of the International Liver Cancer Association, in which he also acts as a member of the Governing Board.

He has also been a leading member of several expert panels to develop guidelines for research and clinical management of hepatocellular carcinoma, including the panels of the European Association for the Study of the Liver, the American Association for the Study of Liver Diseases, and the Italian Minister for University and Research.

Riccardo serves as an editorial board member for several scientific titles. He has authored 140
articles in peer-reviewed international journals and has written numerous book chapters in textbooks of radiology, surgery, gastroenterology, and hepatology. In addition, he has been the editor of seven books. According to SCOPUS citation database, citations of his publications currently number in excess of 6,000.

Riccardo has been an invited or honorary lecturer at more than 450 international meetings or conferences held in 58 different countries.

**Education**

Riccardo earned his medical degree with honors from the University of Pisa, where he is board certified in Radiology and Gastroenterology.
Barry has been a scientific advisor for PAREXEL Informatics since 2007 and has particularly contributed to FDG-PET (fluorodeoxyglucose-positron emission tomography) trials where his significant clinical and clinical trial experience support the design of more research oriented exploratory oncology studies and trials with uncommon patient populations.

**Work Experience**

Barry is professor of radiology and medicine at Washington University School of Medicine in St. Louis, Missouri, as well as director of the Division of Nuclear Medicine at the School’s Mallinckrodt Institute of Radiology, and a member of the University’s Alvin J. Siteman Cancer Center.

Throughout his career, Barry has been active in nuclear medicine research. His current research efforts are focused on uses of positron emission tomography (PET) for cancer diagnosis and staging, as well as predicting and monitoring tumor response to therapy. For the last five years, he has devoted much of his time to the development and operation of the National Oncologic PET Registry. Barry has written or edited more than 300 journal articles, book chapters, and books, and is active in government affairs, having served as a consultant and advisory committee chair for the U.S. Food and Drug Administration. He is also a past chairman of the Nuclear Regulatory Commission’s Advisory Committee on the Medical Use of Isotopes. In 2003, the Society of Nuclear Medicine awarded him the Georg Charles de Hevesy Nuclear Pioneer Award for outstanding contributions to nuclear medicine, and in 2008 he received the Peter Valk Distinguished Clinical Scientist Award from the Academy of Molecular Imaging.

**Education**

Barry received his medical degree from Washington University, and was a resident in diagnostic radiology and a fellow in nuclear medicine at the Mallinckrodt Institute.
Max is one of PAREXEL’s longest standing scientific advisors in the oncology space. He has provided feedback on criteria and has functioned as primary reviewer and adjudicator in innumerable trials. He is well integrated into the PAREXEL Informatics fabric and has presented frequently on PAREXEL’s behalf at conferences and Investigator Meetings.

Max is executive vice chairman of radiology at Beth Israel Deaconess Medical Center (BIDMC) in Boston. His clinical interests are focused on abdominal imaging and image-guided interventional procedures. He is also associate professor of radiology at Harvard Medical School.

Max is on the Board of Directors of the Beth Israel Radiology Foundation, Inc. and Harvard Medical Faculty Physicians at BIDMC, and has served as secretary, vice president, and president of the Massachusetts Radiology Society. The focus of his research has been in the area of health services, outcomes, and cost-effectiveness analysis in the utilization of imaging services and interventional radiology procedures. He has published more than 45 papers in these areas, as well as several reviews and book chapters. Max’s interest in imaging utilization has also led to his involvement with the American College of Radiology (ACR) where he serves as chair of the appropriateness committee for abdominal imaging. The goal of the ACR appropriateness committee is to develop evidence-based guidelines for the appropriate utilization of imaging resources.

Max received his medical degree from Tufts University School of Medicine, and served his residency in diagnostic radiology at Boston City and University Hospitals. Following his residency, he was a clinical fellow in vascular radiology at Massachusetts General Hospital in Boston. He earned his Master of Public Health degree at Harvard University School of Public Health.

Max P. Rosen, M.D., MPH, FACR
Scientific Advisor

Development Area:
MEDICAL IMAGING

Lead Therapeutic Area(s):
ONCOLOGY

Geographic Responsibility:
GLOBAL
Celestia has supported PAREXEL and PAREXEL’s sponsors in the determination of the implementation of the PCWG2 criteria on particular clinical trials and has participated as one of the presenters in PAREXEL’s Prostate Cancer Webinar.

Work Experience
Celestia is professor of medicine and urology at the University of Washington School of Medicine and a member at the Fred Hutchinson Cancer Research Center. She is director of the Prostate Cancer Clinical Research Program at the Seattle Cancer Care Alliance, a group that focuses primarily on all stages of prostate cancer. She is also the site’s principal investigator for the Department of Defense Prostate Cancer Clinical Trial Consortium, a group of prostate cancer clinical trialists who work in early phase drug development and biomarker identification. In addition to these areas, Celestia’s research interests include intermittent androgen suppression and the off target effects of androgen deprivation including those on bone mineral density, body weight and fat mass, lipid profile, and neuropsychological and cognitive function.

Celestia has served on the Scientific Program and Education Committees of American Society of Clinical Oncology (ASCO) and Genitourinary (GU). She is a member of numerous national committees including the National Comprehensive Cancer Network (NCCN) Prostate Cancer Panel, the NCI Symptoms/Quality of Life Drug Development Task Force, and the GU Task Force for American Joint Committee on Cancer (AJCC) Cancer Staging. She was a member of the Prostate Cancer Working Group 2 and the American Urological Association Consensus Committee on the Treatment of Localized Prostate Cancer. She was a reviewer on the Experimental Therapeutics II Study Section of the Department of Defense.

Celestia has published over 90 peer-reviewed articles in journals such as the Journal of Clinical Oncology, the New England Journal of Medicine, The Lancet, Clinical Cancer Research, Blood, and Radiology.
She has also written several book chapters, invited reviews, editorials, as well as, over 150 abstracts.

Celestia is active in several medical societies including the American Society of Clinical Oncology, American Urological Association, and the Society of Urologic Oncology.

Education

Celestia earned her M.D. from the University of Massachusetts. Following a residency in internal medicine at the Mayo Graduate School of Medicine, she completed a postdoctoral fellowship in hematology/oncology at the University of Washington and Fred Hutchinson Cancer Research Center. She is certified with the American Board of Internal Medicine and in Medical Oncology.
Steve Larson, M.D., FACNP, FACR
Scientific Advisor

Steve has been a scientific advisor for PAREXEL Informatics since 2010. He has been particularly involved in criteria discussion with sponsors for prostate cancer and lymphoma trials. He has collaborated with PAREXEL on reviewer trainings for PAREXEL’s growing prostate cancer program and presented at PAREXEL’s Prostate Cancer Webinar.

Work Experience
Steve is a nuclear medicine physician with over 30 years of experience. Currently he is chief of nuclear medicine at Memorial Sloan-Kettering Cancer Center (MSKCC). In addition, Steve is director of the Laurent and Alberta Gerschel positron emission tomography (PET) Center and vice chair for research in the Department of Radiology at MSKCC.

Steve is an avid researcher and has had a long-term interest in radiopharmaceuticals for oncologic applications in nuclear medicine. Other clinical focuses include the use of PET for diagnostic and molecular imaging. He also has special expertise in the care and management of patients who receive radiotargeted therapy, particularly for thyroid cancer.

Steve has been the recipient of number of awards in nuclear medicine, including the Hevesy Award from both the Society of Nuclear Medicine (SNM) and the European Society of Nuclear Medicine, the Pendergrass Award and Radiologic Researcher of the Year from the Radiological Society of North America, and the Wagner Lecture Award from SNM. He has also received the Wiley Medal from the U.S. Food and Drug Administration for distinguished service. He is a member of the Institute of Medicine, National Academies of Science.

Understanding the importance of research and education, Steve has authored or contributed to more than 400 papers, over 80 book chapters, and four books relating to nuclear medicine. Steve holds multiple patents related to nuclear medicine.
Education

Steve earned his M.D. from the University of Washington. He performed postdoctoral training at Virginia Mason Hospital. He is certified with both the American Board of Internal Medicine and American Board of Nuclear Medicine. Steve was also a clinical associate, nuclear medicine, with the Department of Nuclear Medicine National Institutes of Health, and surgeon with the U.S. Public Health Service.
For more than five years, Matt has served as an independent reviewer for PAREXEL Informatics. He also serves as the primary medical expert on multiple PAREXEL studies. Matt assists in innovations to the PAREXEL core Cheson electronic analysis applications.

Work Experience
Matt is currently assistant clinical professor of radiology, director of magnetic resonance imaging (MRI), and co-director of Abdominal Imaging at Stony Brook University Medical Center, Stony Brook, New York. He was co-founder and co-director of the Tumor Imaging Metrics Core at Dana Farber/Harvard Cancer Center for Brigham and Women’s Hospital in Boston; and assistant professor of radiology, Harvard Medical School. Previously, he was vice-chair and assistant professor of radiology at Boston University School of Medicine, and an instructor of diagnostic imaging at Yale University School of Medicine.

During his career, Matt has been a guest lecturer for more than 40 global meetings, and has authored numerous articles, reviews, chapters, and editorials on abdominal imaging and 3D imaging topics. He currently serves as the director of the computerized tomography (CT) Colonography Section of the American College of Radiology (ACR) Education Center and the director of the International Symposia on Virtual Colonoscopy. He sits on the editorial board of several journals, including Radiology, the American Journal of Roentgenology, and the New England Journal of Medicine. Matt previously served as chairperson for the Partners Radiology Research Committee and as a panel member of the Partners Institutional Review Board.

Education
Matt received his medical degree from Boston University School’s of Medicine, and completed his residency in radiology at Boston Medical Center, where he was also chief resident of radiology. From there, he pursued a fellowship in abdominal imaging at the Yale-New Haven Hospital.
Development Area:
MEDICAL IMAGING

Lead Therapeutic Area(s):
CARDIOVASCULAR
ONCOLOGY

Geographic Responsibility:
GLOBAL

Edwin Palmer, M.D.
Scientific Advisor

Edwin has been a scientific advisor for PAREXEL Informatics since 2009. He supports PAREXEL in the software development area for nuclear medicine. He is a key PAREXEL reviewer and adjudicator in many prostate cancer trials. He is also experienced in single-photon emission computed tomography (SPECT) imaging on novel imaging tracers in the greater oncology space. He frequently advises sponsors on review flow and patient status determinations for prostate cancer trials.

Work Experience
Edwin has over 30 years of extensive radiology experience with a strong emphasis on nuclear medicine and cardiovascular imaging. Currently Edwin serves as an Associate Radiologist and Director of Clinical Nuclear Medicine/PET (positron emission tomography) at Massachusetts General Hospital in Boston. Previously, Edwin served as an Assistant Radiologist and an Assistant in Radiology at Massachusetts General Hospital.

After his residency, Edwin channeled his passion for radiology, nuclear medicine and education into teaching. He has instructed numerous radiology courses at Harvard Medical School and has been instrumental in both developing and teaching radiological courses at Massachusetts General Hospital. Courses that Edwin has instructed cover a range of topics such as basic nuclear medicine, cardiovascular nuclear medicine and the science of radiological imaging, among others. Today Edwin continues to serve as an Instructor in Radiology at Harvard Medical School.

Edwin is licensed with the Massachusetts Board of Registration in Medicine. He is also certified with the American Board of Radiology and American Board of Nuclear Medicine. Edwin maintains memberships with the American College of Radiology, Massachusetts Radiological Society, Radiological Society of North America and the Society of Nuclear Medicine.

As an avid supporter of education and advancing the field of radiology, Edwin has authored numerous reports across a range of topics including, radionuclide imaging, ventilation perfusion scans and PET imaging. Conditions covered in these reports include lymphoma, pulmonary embolus,

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glioma, osteomyelitis and septic arthritis. Edwin also authored the book, *Practical Nuclear Medicine*, which was published by W.B. Saunders in 1992. At Massachusetts General Hospital he serves in a number of leadership roles such as the Nuclear Radiology Fellowship Director and Director Education within the Nuclear Medicine and Molecular Imaging Division. Edwin also sits on the Radiology Resident Selection and Education Committees.

**Education**

Edwin earned his M.D. from Tufts University School of Medicine in 1978 and immediately after, served as an intern at Boston City Hospital. Subsequently, he completed his postdoctoral training in the Department of Radiology at Massachusetts General Hospital—first performing his residency and then a Clinical Fellowship in Nuclear Medicine.
Rudresh R. Jarecha, D.N.B., D.M.R.E.
Associate Medical Director

Rudresh is an associate medical director and Asia-Pacific medical head for PAREXEL Informatics, based in Hyderabad, India. He has been involved in the design and management of multiple oncology studies across various indications, but his specific areas of imaging expertise include computerized tomography (CT), magnetic resonance imaging (MRI), positron emission tomography–computed tomography (PET-CT) and tumor volume analysis. Rudresh has served as an independent reviewer on trials, providing skilled medical data interpretations for clinical trials that rely on the results of medical imaging. When not acting as an expert reviewer, he supports sponsors and trials by acting as medical owner for trials and serving as a consultant to sponsors in protocol and charter development; independent reviewer training and oversight; and performing medical QC on the final data export. Additionally, he is an active member of the Quantitative Imaging Biomarkers Alliance (QIBA) volumetric working group and the Indian Radiology and Imaging Association (IRIA).

Work Experience
Before joining PAREXEL, Rudresh worked as a consultant onco-radiologist where he was predominantly focused on PET CT, CT, and MRI in both conventional and interventional radiology. He has presented dozens of scientific exhibits, papers, and continues to lecture at conferences and meetings.

Education
Rudresh earned a Diplomate of National Board (DNB) in Radiodiagnosis, working with Padmashree Prof. Kakarla SubbaRao. He has also received his Diploma in Medical Radiology and Electrology dealing with radiology physics (including MRI).
Prashant Bansal, Ph.D.
Associate Medical Director

Prashant joined PAREXEL Informatics in 2013. He provides medical expertise in study design, protocol standardization, and customization of analysis software tools for imaging trials in the musculoskeletal, oncology, and ophthalmology therapeutic areas.

Work Experience
Prashant has nearly 10 years of experience in the application of multi-modality imaging for various therapeutic areas. Previously, he worked as a Senior Imaging Scientist at Pfizer’s multi-modality pre-clinical imaging laboratory in Andover, Massachusetts. He has extensive experience with X-ray based imaging modalities such as dual-energy X-ray absorptiometry (DXA) and computerized tomography (CT). He is also experienced in working with fluorescence and bioluminescence based optical imaging modalities. In his musculoskeletal research experience, Prashant has utilized various imaging modalities such as contrast-enhanced X-ray CT, DXA, peripheral quantitative computed tomography (pQCT) and micro-CT to interrogate changes in muscle, bone, cartilage, and body composition.

During his time at PAREXEL, Prashant has been managing the medical and scientific aspects of several imaging trials in the musculoskeletal therapeutic area. These trials encompass use of X-ray (DXA, CT), magnetic resonance (MR) based imaging modalities with a variety of qualitative and quantitative assessments.

Education
Prashant received a bachelor’s degree in Mechanical Engineering from Pune University in India, a master’s degree in Bioengineering from Penn State, University Park and a Ph.D. in Biomedical Engineering from Boston University. During his Ph.D., he developed contrast-enhanced X-ray CT imaging technology to image changes in proteoglycan content that may occur in early Osteoarthritis.
Development Area: MEDICAL IMAGING
Lead Therapeutic Area(s): MUSCULOSKELETAL, ONCOLOGY
Geographic Responsibility: GLOBAL

David Bennett, Ph.D.
Associate Medical Director

David joined PAREXEL Informatics in 2014. David provides medical expertise in imaging protocol optimization and customization of analysis software tools for musculoskeletal clinical imaging trials.

Work Experience
David has 11 years’ experience in clinical and pre-clinical magnetic resonance imaging (MRI) in musculoskeletal and oncology diseases. David has held academic positions as a research fellow at both Worcester Polytechnic Institute at Harvard Medical School, McLean Hospital. David’s experience in MRI also includes teaching, serving as an MRI Physicist at a clinical MRI scanner manufacturer, and as an imaging scientist within the pharmaceutical industry.

David’s musculoskeletal imaging experience includes research on the use of diffusion-weighted MRI for assessing the characteristics of muscle in MDX mice (a model of Duchenne muscular dystrophy) and diffusion-tensor MRI to characterize human vertebral disc degeneration. Additionally, David’s musculoskeletal experience has included whole-body composition by magnetic resonance spectroscopy and analysis of leg muscle volume from MRI data.

Education
David received his B.S. and M.S. in electrical engineering from the University of Massachusetts and his Ph.D. in biomedical engineering from Worcester Polytechnic Institute in Worcester, Massachusetts. David maintains contacts with MRI academics through continued membership in the International Society for Magnetic Resonance In Medicine.
Lilit Sargsyan-Storim, M.D., Ph.D.
Associate Medical Director

Lilit is a medical research associate and independent radiology reviewer at PAREXEL, based in Berlin, Germany. She has been involved in the design and management of multiple oncology studies across various indications (lymphoma, lymphosarcoma, gastrointestinal stromal tumors [GIST], lung and pancreatic cancer). Moreover, she supervises several women’s health studies utilizing ultrasound. Lilit ensures high-quality end data by performing medical quality checks and outlier analysis of the independent reviewer assessments.

Additionally, Lilit has served as an independent reviewer on oncological and musculoskeletal disease trials, with specific expertise in performing complex tumor volume analysis.

Work Experience
During her tenure at the Department of Radiology, Nuclear Medicine and Radiotherapy at the University Hospital Charité, Berlin, Germany, she performed the radiological review of bone and chest-radiographs, computerized tomography (CT), magnetic resonance imaging (MRI) scans, and ultrasound.

In 2011 and 2012, Lilit worked in the Department of Radiology and Nuclear Medicine in the Martin Luther Clinic, affiliated hospital of Charité, Berlin, Germany, where her main focus was to interpret CTs, MRIs, and radiographs; conduct exams; and participate in radiology rounds.

Education
Lilit received her medical degree with honors from the State Medical University in Yerevan, Armenia and completed her residency in radiology at Yerevan National Institute of Health. Throughout her postgraduate training in diagnostic radiology at Scientific Medical Emergency Hospital and Diagnostica Medical Corporation in Yerevan, Lilit acquired comprehensive experience in conventional radiography [X-ray], CT, MRI, and ultrasound.
Since March 2012, Alpana has worked as a medical research associate at PAREXEL. She provides expertise to clients on how imaging is used to evaluate the safety or efficacy of investigational drugs. Alpana supports the independent analysis by training expert reviewers and performing ongoing data monitoring of the analysis results. Her expertise spans across the oncology therapeutic area. Additionally, she specializes in Interstitial Pulmonary Fibrosis trials, Myelofibrosis trials, women’s health trials using ultrasound to evaluate fibroids and cysts, and men’s health trials utilizing ultrasound to evaluate Benign Prostatic Hypertrophy.

Work Experience
Alpana, who practiced as a medical radiologist from 1992 to 1995, possesses knowledge spanning cross-sectional imaging modalities, specifically computerized tomography (CT) and ultrasound imaging, based on her university study of clinical radiology.

Education
Alpana received both her Bachelor of Medicine/Bachelor of Surgery (MBBS) and Diploma in Medical Radiodiagnosis (DMRD) from the University of Bombay, India. She is a radiologist by training.
Manuela Lesch, R.T.
Associate Director, Scientific Affairs

Manuela joined the PAREXEL Informatics business in 2004 and has been involved in numerous oncology and neurology trials. Her expertise lies in neuroradiology imaging for indications including, but not limited to stroke with diffusion, perfusion and volumetric assessments, central nervous system (CNS) tumors with Macdonald, response assessment in neuro-oncology (RANO) and response evaluation criteria in solid tumors (RECIST), and multiple sclerosis with McDonald, IWG (International Working Group) 2007 and 1999, prostate cancer working group 2 (PCWG2), modified RECIST (mRECIST) for liver cancer (HCC) and immune-related response criteria (irRC), volumetric assessments and various image post-processing techniques.

She assists in setting scientific policy for medical imaging and many sponsors depend on her leadership and strategic planning. Additionally, she is involved in the development of indication-specific image acquisition guidelines and independent review charters, and defining imaging standards for various exploratory imaging techniques, (e.g. magnetization transfer imaging). Manuela is a PAREXEL expert in stroke, multiple sclerosis and glioma studies. She trains Independent Reviewers as well as in-house and client staff on various indications and assessment criteria and neuroradiological assessments. Furthermore, in her role she is responsible for presenting at investigator meetings and educational symposia for PAREXEL’s sponsors. Manuela is fluent in German and English.

Work Experience
Manuela has significant experience as a well versed radiographer with experience in multiple imaging applications including conventional radiology, computerized tomography (CT), magnetic resonance imaging (MRI) and X-ray, nuclear medicine and radiation therapy. Prior to joining PAREXEL as an Imaging Research Associate she gained industry, clinical trial and image validation and processing experience during her tenure with Schering AG, now Bayer Healthcare.

Education
Prior to joining PAREXEL, Manuela studied medical radiology, radiation therapy, and nuclear medicine technology at the Landeslehranstalt University in Berlin, Germany.
Anja Urbank, R.T.
Senior Medical Research Scientist

Anja Urbank is a senior medical research scientist at PAREXEL Informatics in Berlin, Germany. Anja is a radiology technician by training. She has several years of experience in multiple imaging modalities, including conventional radiology, computerized tomography (CT) and magnetic resonance imaging (MRI), nuclear medicine, and radiation therapy. She specializes in bone imaging, with a focus on arthritis including rheumatoid, osteoarthritis, psoriatic, and ankylosis spondylitis, as well as, visceral adipose tissue (VAT) and subcutaneous adipose tissue (SAT) imaging for diabetes. Anja develops study-specific documents and guidelines such as image acquisition guidelines, and manages reviews and reviewers. Her client-directed tasks include charter development and presentations at investigator meetings and clients’ staff training. She has published articles in several journals and has presented at conferences on imaging in clinical trials. Anja is fluent in German and English.

Work Experience
Prior to being promoted to a senior medical research scientist, Anja was a senior imaging research associate involved in overseeing imaging operations of several oncology, central nervous system (CNS), and musculoskeletal studies conducted with PAREXEL. Her responsibilities included image data collection, image preparation for independent review, site and monitor communication, and accurate delivery of imaging milestones.

Education
Trained Radiology Technician (R.T.) in radiological diagnostics, radiation therapy, and nuclear medicine.
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CORPORATE HEADQUARTERS
195 West Street
Waltham, MA 02451
USA
+1 781 487 9900

Offices across Europe, Asia and the Americas

www.PAREXEL.com