

People

Current Members

Roland Henry, PhD

Principal Investigator

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Dr. Henry is the Rachleff Distinguished Professor in the Department of Neurology where he is Director of the Imaging Program for the Division of Neuroinflammation and Glial Biology. Dr. Henry has vast experience in quantitative neurological imaging in his 24 years at UCSF, and has designed, implemented, and translated many algorithms for quantitative image analysis and clinical applications. Some technical developments include development and validation of non-parametric bootstrap methods in diffusion MRI, pre-operative mapping of eloquent pathways for Neurosurgery applications, multicenter harmonization of MRI volumetry. His primary focus is the development and application of MR techniques for the study of Multiple Sclerosis and neuroinflammatory disorders. He leads the MRI imaging program for the International MS Genetic Consortium including the development of multisite MRI ? genotype efforts across 22 sites worldwide. Dr. Henry has also developed and applied techniques for MRI of spinal cord grey and white matter for Multiple Sclerosis which he has shown to be instrumental in progressive Multiple Sclerosis.

Eduardo Caverzasi, MD

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Dr. Eduardo Caverzasi MD is a radiologist with extensive expertise in Neuroradiology. He is a Biomedical Sciences PhD candidate at University of Pavia and currently an associate specialist at the University of California San Francisco.

He has been involved in neuroimaging research in the past 10 year in Italy, US and Canada (Clinical Neuroradiology Fellow at University of Toronto, 2014-2015). His principal interest has been the application of diffusion imaging and morphometric techniques to his study of dementia and prion disease, brain tumors, multiple sclerosis and language disorders. In the course of his scientific work, he found himself seeking a broader clinical experience to complement his research efforts.

Nico Papinutto, PhD

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Nico Papinutto is an MR Physicist with extensive expertise in the development, implementation, and processing of MRI quantitative protocols and data. His work over the past 10 years has been focused on technical and research neuroimaging single-site and multi-site collaborative studies.

Dr. Papinutto received his PhD in Solid State Physics from the University of Pavia, Italy, in January 2006. His research at that time was focused on the use of Nuclear Magnetic Resonance to understand the intriguing magnetic properties of strongly correlated electron systems and 2D quantum Heisenberg anti-ferromagnets, with the goal of understanding the

mechanism of high Tc superconductivity.

At the end of 2005, following his interests for Magnetic Resonance Imaging, Dr. Papinutto joined the newborn Center for Mind/Brain Sciences (CIMEC) at the University of Trento, Italy, as MR Physicist of the Bruker MedSpec 4T human head scanner. For the first three years, Dr. Papinutto contributed with a small group of colleagues to the construction, set-up, logistical organization and development of the center from its start.

Dr. Papinutto had been employed at CIMEC for 7 years, until October 2012, and he mostly worked on the optimization of MRI methods and analysis of structural, functional and diffusion data in the field of Cognitive Neurosciences.

Dr. Papinutto joined UCSF and Dr. Roland Henry's Lab in November 2012 as a post-doc and MR Physicist of the Siemens Skyra 3T scanner dedicated to multiple sclerosis studies. He was promoted after 2 years to Associate Specialist. Since November 2015, Dr. Papinutto is an Associate Researcher in the Department of Neurology at UCSF. In the last 3 years his work has been mostly focused on quantitative spinal cord imaging in multiple sclerosis and other neurological diseases.

Antje Bischof, MD

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Dr. Antje Bischof is a postdoctoral research scholar in the Department of Neurology at UCSF. She is a Swiss board-certified neurologist with subspecialty interest in neuroimaging. She earned her medical degree at the University of Würzburg, Germany, and completed her residency in neurology at the University Hospital Basel, Switzerland, where she specialized in neuroimmunology.

She holds a long-standing interest in the development of biomarkers to adequately monitor and predict changes relevant to the evolution of neurological diseases including multiple sclerosis and vasculitic neuropathy. With her work she aims to expand our understanding of the mechanisms underlying neuronal damage and disability accumulation to uncover disease processes that may be modifiable early in the disease course through therapeutic interventions. During her fellowship at UCSF, she has been working on identifying MRI metrics to predict and monitor the evolution of progressive MS by using conventional and advanced neuroimaging techniques that can be implemented in the clinical setting.

Jung-Jiin (Jason) Hsu, PhD

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Bill Stern

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Bill Stern, RT(R)(MR) received his BA from Haverford College and his Radiologic Technologist education and training at Penn Medicine - Hospital of the University of Pennsylvania. Bill has been the lead MR technologist for the 3T Skyra scanner that provides brain and spinal cord imaging for the Henry Lab.

Gina Kirkish

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Gina Kirkish received a Master's degree in biomedical imaging at UCSF in March 2016 and has a Bachelor's degree in cognitive science, specializing in neuroscience from UCSD. Her Master's thesis focused on using functional MRI to improve our understanding of motor deficits in Parkinson's disease. Gina's current work involves implementing FreeSurfer quality control methods, performing fMRI resting state data analysis, developing various image processing scripts for both Multiple Sclerosis and Parkinson's disease datasets, and archiving/transferring MR image data.

Jennifer Arjona, MA

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Jennifer Arjona received her B.A. from the University of California, Irvine, and her M.A. in Psychology from the Universidad de Sevilla, in Seville, Spain. She has extensive experience working on a wide variety of research studies, both in Europe and the US.

She was previously a part of the Coalition for the Study of Health, Power and Diversity (CESPYD) research team in Seville, Spain, and worked on policies which provided culturally competent services, promoted the integration of migrants, and facilitated access to health care for migrants and other vulnerable minority groups.

Jennifer joined UCSF in 2015 as a Clinical Research Coordinator (CRC), where she collaborated on several studies investigating the effects cognitive training exercises have on improving cognitive functioning in adolescents and young adults with high risk symptoms of psychosis, and individuals with recent-onset and chronic schizophrenia.

Currently, she is the Administration Manager and CRC for Dr. Roland Henry's Lab and coordinates various studies that do brain and spinal cord imaging, and which aim to improve care provided at regular standard of care visits for Multiple Sclerosis patients.

Amber Alexander

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Simone Sacco, MD

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Simone Sacco is an MD and obtained his degree at University of Pavia, Italy in 2013. He is currently a resident in radiology at the University of Pavia, where from the beginning he has based his career on the study of neurological diseases. He will take part as a visiting scholar to the MS group for the next year.

Past Members

Anand Rajesh, BS

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Anand Rajesh received his B.S. in Neuroscience from Brown University in 2017. At Brown University, Anand worked in Dr. Asaad's lab researching non-human-primate methods of learning as well as was a member of Brown's Men's Crew Team for four years. In the lab, he currently sees patients receiving MRI scans as well as develops novel image segmentation algorithms for the spinal cord and optimizes existing neuroimaging processing infrastructures and pipelines to enhance the diagnostic relevance of imaging for clinicians.

Tristan Gundel

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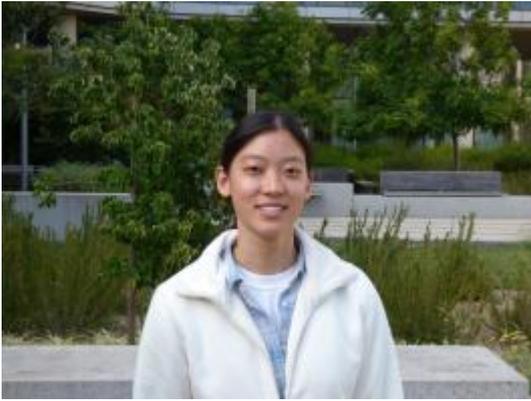


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