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Postdoctoral Position at University of California San Francisco (UCSF) in Synthetic Chemistry/ Radiochemistry

A postdoctoral fellowship is currently available in the Department of Radiology and Biomedical Imaging at the University of California, San Francisco (UCSF) in the laboratory of Dr. David Wilson (<https://radiology.ucsf.edu/research/labs/wilson>) to study the metabolic imaging of infection using bacteria-specific PET and hyperpolarized ^{13}C MRI methods. Both D-amino acid and para-aminobenzoic acid (PABA)- derived radiotracers have recently been reported, as well as a hyperpolarized ^{13}C spectroscopy method:

<https://pubs.acs.org/doi/10.1021/acscentsci.9b00743>;

<https://pubs.acs.org/doi/abs/10.1021/acsinfecdis.9b00196>;

<https://pubs.acs.org/doi/abs/10.1021/acsinfecdis.8b00061>;

<https://pubs.acs.org/doi/10.1021/acsinfecdis.7b00234>.

The ideal candidate should have a strong background in synthetic chemistry and/or radiochemistry, relevant microbiology training, some experience in small animal work, and an interest in metabolism, biochemistry, and/or cell physiology. Experience in MR spectroscopy would also be highly desirable.

The successful applicant will work as part of a collaborative team and have access to a wide range of equipment, including at $\mu\text{PET/CT}$ scanner, on-site cyclotron, ^{18}F and ^{11}C synthesis modules, hot cells, and liquid scintillation equipment. A dedicated cell and molecular biology laboratory, fully equipped for biological assays as well as a recently installed state of the art LC-MS system are used for complementary investigations.

The UCSF molecular imaging research program is directed by Dr. Wilson (<https://radiology.ucsf.edu/research/research-interest-groups/CPMT>) and is a dynamic and thriving environment with three additional laboratories developing both small-molecule and antibody-derived radiotracers: the groups of Dr. Robert Flavell (<https://radiology.ucsf.edu/research/labs/flavell>), Dr. Michael Evans (<https://radiology.ucsf.edu/research/labs/evans#->), and Dr. VanBrocklin (<https://radiology.ucsf.edu/people/henry-vanbrocklin>). These four laboratories enjoy close and productive collaborations that enhance the experience of our fellows.

If interested please contact Dr. David M. Wilson via email.

UCSF is an Affirmative Action/Equal Opportunity Employer. All qualified applicants are encouraged to apply, including minorities and women. UCSF seeks candidates whose experience,

teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence.