

### **Postdoctoral Positions in Protein Crystallography**

Two NIH-funded postdoctoral positions in protein crystallography available at the University of Maryland Institute for Bioscience and Biotechnology Research (IBBR) for recent PhDs to join a multidisciplinary team investigating the structural basis for pathogen and tumor cell recognition by the human immune system. Several classes of recognition molecules are under study: antibodies, T cell receptors (TCRs), and natural killer (NK) cell receptors. Projects include X-ray crystallographic and cryoEM studies of: 1) tumor-specific and SARS-CoV-2-specific TCRs, 2) NK receptor recognition of cellular and viral ligands, 3) TCR-CD3 complex, 4) structure-based design of hepatitis C vaccine, and 5) structure-based design of small molecule antiviral drugs. Experience in molecular biology and recombinant protein expression is highly desirable. [*Nat. Commun.* **11**, 2908 (2020); *J. Mol. Biol.* **432**, 166697 (2020); *PNAS* **118**, e2015149118 (2021); *J. Mol. Biol.* **433**, 166714 (2021); *J. Med. Chem.* **64**, 18010 (2021); *Biochemistry* **61**, 822 (2022); *PNAS* **119**, e2112008119 (2022); *Nat. Commun.* **13**, 19 (2022)]. Visit <http://www.ibbr.umd.edu/profiles/roy-mariuzza>. State-of-the-art X-ray, cryoEM, and NMR facilities. Excellent opportunities for collaborative studies in cryoEM and NMR. IBBR, a joint research center of the University of Maryland and the National Institute of Standards and Technology (NIST), is located in the heart of a major biotech community that includes AstraZeneca and GlaxoSmithKline. Send CV and names of three references to Dr. Roy A. Mariuzza (rmariuzz@umd.edu).

The University of Maryland is an Equal Opportunity Employer.