



Michael Schnoor, PhD is a Principal Investigator and Professor at the Department for Molecular Biomedicine, Cinvestav, the independent research center of the second largest university in Mexico, the National Polytechnic Institute.

He received his MSc and PhD from the University of Münster, Germany. He continued his career as a postdoctoral fellow at Emory University with Dr. Parkos analyzing the mucosal innate immune response. Later, as a senior postdoc at the Max-Planck-Institute for Molecular Biomedicine, Germany, with Dr. Vestweber, Michael discovered that the actin-binding proteins (ABP) cortactin and HS1 are critical regulators of neutrophil extravasation *in vivo*. In 2012, he was recruited as a Professor for Molecular Biomedicine to Cinvestav, Mexico-City, where he continues to study the roles of ABP in vascular and mucosal pathobiology, and in particular for neutrophil recruitment by intravital microscopy in different mice deficient for ABPs such as cortactin, HS1, myosin1e and WIP. Analyzing cortactin functions in different disease models, his lab identified the correlation of cortactin overexpression in leukemic B cells with high-risk clinical parameters in B-cell acute lymphoblastic leukemia such as bone marrow relapse, drug resistance, adenomegaly, and increased leukocyte counts. His lab has discovered previously unrecognized functions of cortactin and HS1 for the activation of GTPases and integrins, neutrophil chemotaxis and stress fiber formation.

Dr. Schnoor has published more than 40 peer-reviewed manuscripts in high-quality journals such as “Journal of Experimental Medicine”, “Journal of Immunology”, “Mucosal Immunology” and the “Journal of Leukocyte Biology”. Most recently he published an extensive review on cortactin in “Trends in Cell Biology”. Dr. Schnoor serves on the editorial boards of “Scientific Reports” and “Tissue Barriers”; and on many national and international grant review committees.

He is a long-standing member of SLB, and currently also a member of the SLB membership committee. Dr Schnoor has mentored 2 postdoctoral fellows, and graduated 3 PhD and 8 MSc students. In addition, in 2018, he proposed and hosted an SLB guest symposium at the ALAI/SMI meeting which featured SLB young investigators and attracted several new members to the society from geographical regions into which SLB had not previously had active outreach activities.

Personal Interest Statement

My research interest is the recruitment of leukocytes to sites of inflammation, and therefore I am an active member of SLB for many years. I was and still am intrigued by the many membership benefits and the great opportunities that SLB provides to network with peers and to broaden your horizon in leukocyte biology. I am a member of SLB’s membership committee, and as such I intend to advertise SLB, and increase the number of members for the society. Another focus as councilor will be to listen to suggestions from the membership and translate those into decisions made by the council for the society. As a tri-lingual scientist who has worked in three different scientific system (Germany, USA and Mexico), I am especially interested in the international affairs of the society; and to increase international awareness of the society’s activities.