



FASEB

Federation of American Societies
for Experimental Biology

Science
Research
Conferences

The Biology of Cilia and Flagella Conference

Organizer Bio: Rebecca Burdine, PhD

Professor, Molecular Biology, Princeton University, NJ, USA

Dr. Burdine uses zebrafish as a model system to study the role of cilia motility in organ formation and patterning. Her research has provided new insight into the function of cilia in Nodal signaling and left-right patterning and helped identify new disease loci for Primary Ciliary Dyskinesia. She also demonstrated that impaired cilia motility contributes to the development of spinal curvatures that resemble human idiopathic scoliosis. Her work continues to provide new perspective on factors contributing to human disease.