



FASEB

Federation of American Societies
for Experimental Biology

Science
Research
Conferences

The TGF- β Superfamily Conference: Signaling in Development and Disease

Organizer Bio: Cathy Savage-Dunn, PhD

Professor, Department of Biology, and Executive Officer, PhD Program in Biology, Queens College and The Graduate Center, City University of New York, Flushing, USA

Cathy Savage-Dunn's lab, established in 1997, studies the functions and regulation of BMP signaling in growth, development, and homeostasis. Her lab capitalizes on the strengths of the *C. elegans* model system in genetic, genomic, and live-imaging approaches to provide novel insight into BMP signaling mechanisms in gene regulation, signaling crosstalk, and tissue interactions.

Savage-Dunn has utilised the nematode *C. elegans* as a model system for over 30 years. She did her PhD studies with Nobel Laureate Martin Chalfie at Columbia University before postdoctoral studies with Iva Greenwald at Princeton University and Richard Padgett at Rutgers University. At Rutgers she co-discovered SMAD proteins, the central signal transduction mediators of the TGF- β superfamily.