

Faculty Participating in Fall 2019 Ph.D. Rotation Program
in Biochemistry & Biophysics

Faculty

Kristen Johansen

Roy J Carver Charitable Trust Professor
and Department Chair



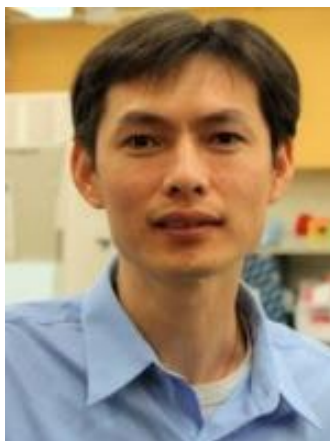
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Regulation of nuclear organization and
function

Hua Bai

Assistant Professor, GDCB



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Cellular and Molecular Mechanisms of
Cardiac Aging

Diane Bassham

Walter E. and Helen Parke Loomis
Professor of Plant Physiology, GDCB



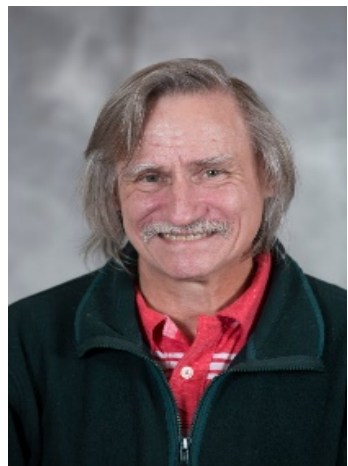
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Plant Cell Biology

Richard Honzatko

Professor



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Structure determination of
macromolecules of biological interest;
Crystallization of proteins and x-ray
crystallography; Energy-conformation
analysis of protein ligand interactions

Walter Moss

Assistant Professor



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Noncoding RNA discovery; RNA
structure and function

Scott Nelson

Associate Professor



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Molecular mechanisms of DNA
replication and repair

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Faculty

Basil Nikolau

Frances M. Craig Professor



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Biochemistry and molecular biology of biotin and biotin-containing enzymes; Regulation of plant lipid metabolism

Reuben Peters

Professor



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Biosynthesis and physiological function of diterpenoid natural products.

Julien Roche

Assistant Professor



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Solution NMR of proteins

Dipali Sashital

Associate Professor



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Structure, function and assembly of RNA-protein complexes

Yeon-KyunShin

Professor



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Structure and function of selected membrane proteins, Mechanisms of secretory vesicle fusion with membranes

Eric Underbakke

Assistant Professor



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Architecture and assembly of scaffolded signaling complexes

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Faculty

Olga Zabolina
Associate Professor



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Plant Cell Wall Structure;
Polysaccharide Biosynthesis,
Modification and Degradation;
Bioactive Carbohydrates