

# Functional Genomics (PhD)

## Degree Requirements

Code	Title	Hours	Counts towards
<b>Genomic Sciences Core</b>		<b>12</b>	
ST 590	Special Topics (Intro Bioinformatics)		
GN 735	Functional Genomics		
GN 701	Molecular Genetics		
	or BCH 703 Macromolecular Synthesis and Regulation		
PP 810	Special Topics (Genomics Journal Club) <sup>1</sup>		
GN 850	Professionalism and Ethics		
<b>Functional Genomics Core</b>		<b>11</b>	
ST 511	Statistical Methods For Researchers I		
GN 702	Cellular and Developmental Genetics		
	or BCH 705 Molecular Biology Of the Cell		
GN 703/ BCH 701	Population and Quantitative Genetics		
PP 810	Special Topics (Genomics Journal Club) <sup>1</sup>		
<b>Elective Courses</b>		<b>9</b>	
Functional Genomics Category I Electives will be determined in conjunction with the academic committee <sup>2</sup>			
<b>Research and Additional Electives</b>		<b>40</b>	
"Research and Additional Electives" will be determined in conjunction with the academic committee			
<b>Total Hours</b>		<b>72</b>	

<sup>1</sup> PP 810 Special Topics: Genomics Journal Club must be taken multiple times to meet the required core hours.

<sup>2</sup> Functional Genomic Category I Electives cannot be chosen from ST 590, CSC 530, ST 512, ST 501, or ST 502. However, these courses can be taken as additional electives beyond the minimum 36 credit requirement.

## Faculty

### Full Professors

Kenneth B. Adler

Jose Miguel Alonso

Prema Arasu

Christopher M. Ashwell

David M. Bird

Russell J. Borski

Rebecca S. Boston

Matthew Breen

Edward Bealmear Breitschwerdt

Dennis T. Brown

James W. Brown

Ignazio Carbone

Margaret E. Daub

Gregg A. Dean

Ralph A. Dean

Ralph E. Dewey

Charlotte E. Farin

Robert Graham Franks

Frederick J. Fuller

John E. Gadsby

Troy Ghashghaei

John R. Godwin

Major M. Goodman

Amy Michele Grunden

Linda Kay Hanley-Bowdoin

Jason M. Haugh

James B. Holland

Jonathan M. Horowitz

Sophia Kathariou

Robert M. Kelly

Matthew D. Koci

Bailian Li

Jonathan S. Lindsey

Hsiao-Ching Liu  
Steven Lommel  
James W. Mahaffey  
Earl S. Maxwell  
Steven Edward McKeand  
Melissa Schuster Merrill  
Eric S. Miller  
Paul Edward Mozdziak  
David C. Muddiman  
Jack Odle  
Charles H. Opperman  
James N. Petite  
Robert M. Petters  
Jorge A. Piedrahita  
Brian J. Reich  
Jean B. Ristaino  
Dorith Rotenberg  
Maria C. Sagui  
Heike Inge Ada Sederoff  
Barbara Sherry  
Robert Charles Smart  
William F. Thompson  
Ross W. Whetten  
Brian M. Wiegmann  
Qiuyun Xiang  
Deyu Xie  
Jeffrey A. Yoder

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## Associate Professors

Nicolas E. Buchler  
Michael B. Goshe  
Steffen Heber  
David S. Lalush  
Flora Meilleur  
Jonathan W. Olson

Lina Quesada  
Marcelo Rodriguez-Puebla  
Michael L. Sikes

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## Assistant Professors

Caitlin S. Heil  
Ruben Rellan Alvarez  
Benjamin John Callahan  
Ilenys Muniz Perez Diaz  
Manuel Kleiner  
Kurt Marsden  
Santosh Kumar Mishra  
David Alan Rasmussen  
Christina Zakas

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## Practice/Research/Teaching Professor

Patricia A Estes

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## Emeritus Faculty

Henry Van Amerson  
William Reid Atchley  
James W. Brown  
Vincent L. C. Chiang  
Steven D. Clouse  
Stephanie E. Curtis  
Barry Goldfarb  
Cynthia L. Hemenway  
Todd Robert Klaenhammer  
David H. Ley  
James W. Moyer  
Paul E. Orndorff  
Ron Ross Sederoff  
Wayne Tompkins  
Paul L. Wollenzien

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## **Adjunct Faculty**

Robert R. Anholt

Trudy F. MacKay