

# Functional Genomics (MS)

## Degree Requirements

Code	Title	Hours	Counts towards
<b>Genomic Sciences Core Courses</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 810/610	Special Topics (Genomics Journal Club)		
GN 850	Professionalism and Ethics		
<b>Functional Genomics Core Courses</b>		<b>18</b>	
ST 511	Statistical Methods For Researchers I		
GN 702	Cellular and Developmental Genetics		
	or BCH 705 Molecular Biology Of the Cell		
GN 703	Population and Quantitative Genetics		
	or BCH 701 Macromolecular Structure		
Students will select an additional nine credit hours of Functional Genomics Category I Electives in conjunction with the academic committee <sup>1</sup>			
<b>Thesis Research Courses</b>		<b>6</b>	
"Thesis Research Courses" will be determined in conjunction with the academic committee			
<b>Total Hours</b>		<b>36</b>	

<sup>1</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 Bealmeear 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. Petitte

Robert M. Petters

Jorge A. Piedrahita

Brian J. Reich

Jean B. Ristaino

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 Professors

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