# Functional Genomics (MS)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Genomic Sciences Core Courses</strong></td>
<td></td>
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<tr>
<td>ST 590</td>
<td>Special Topics (Intro Bioinformatics)</td>
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<tr>
<td>GN 735</td>
<td>Functional Genomics</td>
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<tr>
<td>GN 701</td>
<td>Molecular Genetics</td>
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<tr>
<td>or BCH 703</td>
<td>Macromolecular Synthesis and Regulation</td>
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<tr>
<td>PP 810/610</td>
<td>Special Topics (Genomics Journal Club)</td>
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<tr>
<td>GN 850</td>
<td>Professionalism and Ethics</td>
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<tr>
<td></td>
<td><strong>Functional Genomics Core Courses</strong></td>
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<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I</td>
<td></td>
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<tr>
<td>GN 702</td>
<td>Cellular and Developmental Genetics</td>
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<tr>
<td>or BCH 705</td>
<td>Molecular Biology Of the Cell</td>
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<tr>
<td>GN 703</td>
<td>Population and Quantitative Genetics</td>
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<tr>
<td>or BCH 701</td>
<td>Macromolecular Structure</td>
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Students will select an additional nine credit hours of Functional Genomics Category I Electives in conjunction with the academic committee.

<table>
<thead>
<tr>
<th>Thesis Research Courses</th>
<th>6</th>
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</table>

"Thesis Research Courses" will be determined in conjunction with the academic committee.

**Total Hours** 36

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1. 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
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

Practice/Research/Teaching Professor
Patricia A Estes

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

Adjunct Faculty
Robert R. Anholt
Trudy F. MacKay