

# Eligible Faculty Research Sponsors for MCDB Majors 2023-2024

## Biochemistry, Biophysics & Structural Biology

|                   |                      |                    |
|-------------------|----------------------|--------------------|
| Jeffrey Abramson  | David Eisenberg      | Megan McEvoy       |
| Keriann Backus    | Juli Feigon          | Kathrin Plath      |
| Gal Bitan         | Samuel French        | Margot Quinlan     |
| Douglas Black     | Robert Gunsalus      | Amy Rowat          |
| James Bowie       | Feng Guo             | James Wohlschlegel |
| Manish Butte      | Kent Hill            | Todd Yeates        |
| Samson Chow       | Jing Huang           | Stephen Young      |
| Heather Christofk | Reid Johnson         | Z. Hong Zhou       |
| John Colicelli    | Tracy Johnson (MCDB) |                    |

## Bioinformatics

|                      |                          |                      |
|----------------------|--------------------------|----------------------|
| Valerie Arboleda     | Steve Jacobsen (MCDB)    | Van Savage           |
| Amjad Askary (MCDB)  | Leonid Kruglyak          | Pavak Shah (MCDB)    |
| Hilary Coller (MCDB) | Christopher Lee          | Ren Sun              |
| David Eisenberg      | Stanley Nelson           | Xia Yang             |
| Daniel Geschwind     | Bogdan Pasaniuc          | Todd Yeates          |
| Thomas Graeber       | Matteo Pellegrini (MCDB) | S. Lawrence Zipursky |
| Alexander Hoffmann   | Kathrin Plath            |                      |

## Cell & Developmental Biology

|                          |                           |                          |
|--------------------------|---------------------------|--------------------------|
| John Adams (MCDB)        | Ming Guo                  | Tim O'Sullivan           |
| Amjad Askary (MCDB)      | Volker Hartenstein (MCDB) | Matteo Pellegrini (MCDB) |
| Utpal Banerjee (MCDB)    | Kent Hill                 | Patricia Phelps          |
| Linda Baum               | Alexander Hoffmann        | Kathrin Plath            |
| Steven Bensinger         | Jimmy Hu                  | April Pyle               |
| Arnold Berk              | Steve Jacobsen (MCDB)     | Tom Rando (MCDB)         |
| Peter Bradley            | Tracy Johnson (MCDB)      | Karen Reue               |
| Siobhan Braybrook (MCDB) | Leanne Jones (MCDB)       | Amy Rowat                |
| Jau-Nian Chen (MCDB)     | Carla Koehler             | Alvaro Sagasti (MCDB)    |
| John Chute               | Harley Kornblum           | Karen Sears (MCDB)       |
| Heather Christofk        | Deborah Krakow            | Pavak Shah (MCDB)        |
| Amander Clark (MCDB)     | David Krantz              | Melissa Spencer          |
| Daniel Cohn (MCDB)       | Siavash Kurdistani        | Fuyuhiko Tamanoi         |
| John Colicelli           | Timothy Lane              | Michael Teitell          |
| Hilary Coller (MCDB)     | Shuo Lin (MCDB)           | Jorge Torres             |
| Gay Crooks               | Jeff Long (MCDB)          | Christel Uittenbogaart   |
| David Dawson             | William Lowry (MCDB)      | Alexander van der Blik   |
| Arjun Deb (MCDB)         | Karen Lyons (MCDB)        | Thomas M. Vondriska      |
| Edward De Robertis       | Julian Martinez-Agosto    | David Walker             |
| D'Juan Farmer (MCDB)     | M. Carrie Miceli          | David Williams           |
| Alison Frand             | Hanna Mikkola (MCDB)      | James Wohlschlegel       |
| Bob Goldberg (MCDB)      | Austin Nakano (MCDB)      | Xian-Jie Yang            |
| Andrew Goldstein (MCDB)  | Stanley Nelson            | Jerome Zack              |
| Brigitte Gomperts        | Luke Nikolov (MCDB)       | Jesse Zamudio (MCDB)     |
| Thomas Graeber           | Bennett Novitch           | S. Lawrence Zipursky     |

## Gene Regulation, Epigenomics & Transcriptomics

|                       |                       |                     |
|-----------------------|-----------------------|---------------------|
| John Adams (MCDB)     | Oliver Hankinson      | Kathrin Plath       |
| Valerie Arboleda      | Alexander Hoffmann    | Dinesh Rao          |
| Amjad Askary          | Steve Jacobsen (MCDB) | Ke Shuai            |
| Arnold Berk           | Reid Johnson          | Stephen Smale       |
| Douglas Black         | Tracy Johnson (MCDB)  | Elizabeth Tarling   |
| Michael Carey         | Siavash Kurdistani    | Peter Tontonoz      |
| Guillaume Chanfreau   | Shuo Lin (MCDB)       | Thomas Vallim       |
| Genhong Cheng         | Jeff Long (MCDB)      | Thomas M. Vondriska |
| Hilary Collier (MCDB) | William Lowry (MCDB)  | Joanne Weidhaas     |
| Oliver Fregoso        | Hanna Mikkola (MCDB)  | James Wohlschlegel  |
| Bob Goldberg (MCDB)   | Jeff F. Miller        |                     |
| Feng Guo              | Bennett Novitch       |                     |

## Genetics & Genomics

|                       |                        |                          |
|-----------------------|------------------------|--------------------------|
| Valerie Arboleda      | Ann Hirsch (MCDB)      | Stanley Nelson           |
| Utpal Banerjee (MCDB) | Alexander Hoffmann     | Luke Nikolov (MCDB)      |
| Amander Clark (MCDB)  | Steve Jacobsen (MCDB)  | Bennett Novitch          |
| Daniel Cohn (MCDB)    | Tracy Johnson (MCDB)   | Paivi Pajukanta          |
| Esteban Dell'Angelica | Donald Kohn            | Bogdan Pasaniuc          |
| David Eisenberg       | Deborah Krakow         | Matteo Pellegrini (MCDB) |
| Brent Fogel           | David Krantz           | Karen Reue               |
| Alison Frand          | Leonid Kruglyak        | Jessica Rexach           |
| Daniel Geschwind      | Shuo Lin (MCDB)        | Thomas M. Vondriska      |
| Bob Goldberg (MCDB)   | Jeff Long (MCDB)       | David Walker             |
| Thomas Graeber        | Aldons Jake Lusic      | Xia Yang                 |
| Wayne Grody           | Karen Lyons (MCDB)     |                          |
| Robert Gunsalus       | Julian Martinez-Agosto |                          |

## Immunity, Microbes & Molecular Pathogenesis

|                  |                       |                        |
|------------------|-----------------------|------------------------|
| Linda Baum       | Kent Hill             | Robert Prins           |
| Steven Bensinger | Ann Hirsch (MCDB)     | Caius Radu             |
| Arnold Berk      | Alexander Hoffmann    | Elaine Reed            |
| Peter Bradley    | Elaine Hsiao          | Philip Scumpia         |
| Manish Butte     | Patricia Johnson      | Wen-Yuan Shi           |
| David Campbell   | Reid Johnson          | Ke Shuai               |
| Irvin Chen       | Daniel Kaufman        | Stephen Smale          |
| Genhong Cheng    | Donald Kohn           | Ren Sun                |
| Samson Chow      | Beth Lazizzera        | Elizabeth Tarling      |
| Gay Crooks       | Melody Hing Li        | Michael Teitell        |
| David Dawson     | Otoniel Martinez-Maza | Christel Uittenbogaart |
| Timothy Donahue  | Megan McEvoy          | Thomas Vallim          |
| James Economou   | M. Carrie Miceli      | Owen Witte             |
| Lawrence Feldman | Jeff F. Miller        | Ting-Ting Wu           |
| Oliver Fregoso   | Robert Modlin         | Lili Yang              |
| Samuel French    | Sherie Morrison       | Otto Orlean Yang       |
| Robert Gunsalus  | Tim O'Sullivan        | Jerome Zack            |
| Elissa Hallem    | Manuel Penichet       | Z. Hong Zhou           |

## **Molecular, Cellular & Integrative Physiology**

Jeffrey Abramson  
John Adams (MCDB)  
Olujimi Ajijola  
James Bowie  
S. Thomas Carmichael Jr.  
John Chute  
Christopher Colwell  
Rachelle Crosbie-Watson  
Arjun Deb (MCDB)  
Linda Demer  
Jeff Donlea  
Kenneth Dorshkind  
David Eisenberg  
Alison Frand  
Tomas Ganz  
David Glanzman

Thomas Graeber  
Ming Guo  
Andrea Hevener  
Elaine Hsiao  
Jing Huang  
Jonathan Jacobs  
H. Ronald Kaback  
Aldons Jake Lusis  
Karen Lyons (MCDB)  
Austin Nakano (MCDB)  
Ketema Paul  
Patricia Phelps  
April Pyle  
Pearl Quijada  
Dinesh Rao  
Elaine Reed

Karen Reue  
Amy Rowat  
Barney Schlinger  
Melissa Spencer  
Pavak Shah (MCDB)  
Elizabeth Tarling  
Peter Tontonoz  
Thomas Vallim  
Rhonda Voskuhl  
David Walker  
Stephanie White  
Lily Wu  
Xia Yang  
Stephen Young

## **Molecular Pharmacology**

Utpal Banerjee (MCDB)  
Steven Bensinger  
Gal Bitan  
Genhong Cheng  
Samson Chow  
Heather Christofk  
John Chute  
Hilary Collier (MCDB)  
Gay Crooks  
David Dawson  
Arjun Deb (MCDB)  
Timothy Donahue  
James Economou

David Eisenberg  
Samuel French  
Tomas Ganz  
Thomas Graeber  
Oliver Hankinson  
Jing Huang  
Daniel Kaufman  
Donald Kohn  
Harley Kornblum  
Aldons Jake Lusis  
David Nathanson  
Robert Prins  
Caius Radu

Dinesh Rao  
Antoni Ribas  
Ren Sun  
Michael Teitell  
Peter Tontonoz  
Erina Vlashi  
Owen Witte  
Ting-Ting Wu  
Lili Yang  
Otto Orlean Yang  
Jerome Zack

## **Neuroscience**

Amjad Askary (MCDB)  
Gal Bitan  
Douglas Black  
Samantha Butler  
S. Thomas Carmichael Jr.  
Christopher Colwell  
Luis De La Torre-Ubieta  
Jeff Donlea  
Christopher Evans  
Brent Fogel  
Daniel Geschwind  
David Glanzman

Ming Guo  
Zhefeng Guo  
Elissa Hallem  
Volker Hartenstein (MCDB)  
Eliane Hsiao  
Daniel Kaufman  
Harley Kornblum  
David Krantz  
Nigel Maidment  
David Nathanson  
Bennett Novitch  
Patricia Phelps

Natik Piri  
Carlos Portera-Cailliau  
Alvaro Sagasti (MCDB)  
Barney Schlinger  
Pavak Shah (MCDB)  
Alcino Silva  
Catia Sternini  
Rhonda Voskuhl  
Stephanie White  
David Williams  
Xian-Jie Yang  
S. Lawrence Zipursk

## Faculty Associated With...

### **Biochemistry, Molecular and Structural Biology**

Catherine Clarke  
Steven Clarke  
James Gober

### **Integrative Biology and Physiology**

Eric Deeds

### **Molecular Biology Institute**

Patrick Allard (Molecular Cell Biology)  
Joseph Crompton (Mol Pathogenesis & Immunity)  
David Jacobs (Molecular Genetics)  
Claudio Villanueva (Molecular Cell Biology)

### **MIMG**

Anthony J. Covarrubias  
David A. Haake  
Jeffrey H. Miller  
Tim O'Sullivan

### **Ophthalmology**

Sophie X. Deng  
Natik Piri  
Xian-Jie Yang  
Jie Zheng

### **Plant Biology/Plant Model Systems**

Jeff Long (MCDB)  
Siobhan Braybrook (MCDB)  
Bob Goldberg (MCDB)  
Ann Hirsch (MCDB)  
Steve Jacobsen (MCDB)  
Luke Nikolov (MCDB)

### **School of Medicine**

Fayal Abderemane-Ali (Physiology)  
Lin Chang (Digestive Diseases)  
Arnold Chin (Urology)  
Marco Giovannini (Head & Neck Surgery)

## **Jonsson Comprehensive Cancer Center**

### **JCCC Signal Transduction & Therapeutics Program**

Stephanie Correa  
Asim Dasgupta  
Gottfried Konecny  
Erika von Euw  
Dennis Slamon  
Alice Soragni  
Jie Zheng

### **JCCC Cancer & Stem Cell Biology**

Joseph Crompton  
Sophie Deng  
Isla Garraway  
Enrique Rozengurt  
Eri Srivatsan

### **JCCC Tumor Immunology Program**

Scott Kitchen

The Graduate Programs in Biosciences (GPB) has ten Home Areas. Approved faculty mentors are listed under their Home Area (pages 1-3). Please be aware that many faculty members are listed in multiple Home Areas. The list is organized by Home Area to help students search for a faculty mentor conducting research in an area which interests them. Summaries of each of these Home Areas are available on the GPB website:

<http://bioscience.ucla.edu/home-areas>.

To read more about an individual faculty member on this list, go to the GPB home page:

<https://bioscience.ucla.edu/>. Click the “Faculty” link on the top menu. You can search any faculty member who is a member of GPB to read about their research interests and access links to their published papers. You can also Google their name along with “UCLA”. Most of the faculty members on this list will appear on different websites related to their faculty appointments at UCLA and many of them have their own laboratory websites with extensive information.

Faculty members on page 4 of the list are not necessarily part of GPB. We are listing them under a category associated with their department, research center, or even model organism. The easiest way to find information about these faculty mentors is to Google their name along with “UCLA” (e.g., John Smith UCLA).

You can find detailed information regarding eligibility and how to apply for enrollment in MCDB research courses (MCDB 196A-B, 198A-C; MCDB 199A-C; MCDB 199) by going to the MCDB Undergraduate website:

<https://www.mcdb.ucla.edu/undergraduate/undergraduate-research>.

If you have additional questions or want to review your research course plan, contact an MCDB Undergraduate Advisor at [undergradmcdb@lifesci.ucla.edu](mailto:undergradmcdb@lifesci.ucla.edu).