

# ELIGIBLE FACULTY RESEARCH SPONSORS FOR MCDB MAJORS 2022-2023

## Biochemistry, Biophysics & Structural Biology

|                   |                      |                    |
|-------------------|----------------------|--------------------|
| Jeffrey Abramson  | Juli Feigon          | Kathrin Plath      |
| Keriann Backus    | 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) |                    |
| David Eisenberg   | Megan McEvoy         |                    |

## Bioinformatics

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

## Cell & Developmental Biology

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

## Gene Regulation, Epigenomics & Transcriptomics

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

## 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          | Wen-Yuan Shi           |
| Manish Butte     | Patricia Johnson      | Ke Shuai               |
| David Campbell   | Reid Johnson          | Stephen Smale          |
| Irvin Chen       | Daniel Kaufman        | Ren Sun                |
| Genhong Cheng    | Donald Kohn           | Elizabeth Tarling      |
| Samson Chow      | Beth Lazizzera        | Michael Teitell        |
| Gay Crooks       | Melody Hing Li        | Christel Uittenbogaart |
| David Dawson     | Otoniel Martinez-Maza | Thomas Vallim          |
| Timothy Donahue  | Megan McEvoy          | Owen Witte             |
| James Economou   | M. Carrie Miceli      | Ting-Ting Wu           |
| Lawrence Feldman | Jeff F. Miller        | Lili Yang              |
| Oliver Fregoso   | Robert Modlin         | Otto Orlean Yang       |
| Samuel French    | Sherie Morrison       | Jerome Zack            |
| Robert Gunsalus  | Tim O'Sullivan        | Z. Hong Zhou           |
| Elissa Hallem    | Manuel Penichet       |                        |

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

Jeffrey Abramson  
John Adams (MCDB)

James Bowie  
S. Thomas Carmichael Jr.

John Chute  
Christopher Colwell

## **Molecular, Cellular & Integrative Physiology (Cont.)**

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  
H. Ronald Kaback  
Aldons Jake Lusis  
Karen Lyons (MCDB)  
Austin Nakano (MCDB)  
Ketema Paul  
Patricia Phelps  
April Pyle  
Dinesh Rao  
Elaine Reed  
Karen Reue

Amy Rowat  
Barney Schlinger  
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  
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  
Robert Prins  
Caius Radu

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

## **Neuroscience**

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  
Bennett Novitch  
Patricia Phelps  
Natik Piri

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

## FACULTY ASSOCIATED WITH.....

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

Catherine Clarke  
Steven Clarke  
James Gober

### **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)

### **Molecular Biology Institute**

Patrick Allard (Molecular Cell Biology)  
David Jacobs (Molecular Genetics)  
Claudio Villanueva (Molecular Cell Biology)

### **Integrative Biology and Physiology**

Eric Deeds

### **School of Medicine**

Lin Chang, MD (Medicine, Digestive Diseases)

Marco Giovannini, MD, PHD (Head & Neck Surg)

### **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**

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/> and 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 website 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-B,C; MCDB 199A-B; 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).