

## Biology

Session **A**

Room: 125 Baxter

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| 1:00 - 1:20 PM | <b>Zara H. Kanold-Tso</b><br><i>Dr. Paul C. Bartlett</i><br><i>SURF Fellow</i> | Serotonin dynamics in the VMHvl<br>Esr1 during social interactions                                             | David J. Anderson<br><i>Seymour Benzer Professor of</i><br><i>Biology; Investigator, Howard</i><br><i>Hughes Medical Institute</i><br>Amit Vinograd<br><i>Postdoctoral Scholar Fellowship</i><br><i>Trainee in Biology and Biological</i><br><i>Engineering; Associate, Howard</i><br><i>Hughes Medical Institute</i><br>Takumi Itakura<br><i>Postdoctoral Scholar Fellowship</i><br><i>Trainee in Biology and Biological</i><br><i>Engineering</i> |
| 1:20 - 1:40 PM | <b>Emma L. Titus</b><br><i>Heather and Paul Haaga</i><br><i>SURF Fellow</i>    | Developing a spike S2 domain-<br>based pan-coronavirus vaccine                                                 | Pamela J. Bjorkman<br><i>David Baltimore Professor of</i><br><i>Biology and Biological</i><br><i>Engineering; Merken Institute</i><br><i>Professor</i><br>Chengcheng Fan<br><i>Postdoctoral Scholar Research</i><br><i>Associate in Biology and Biological</i><br><i>Engineering</i>                                                                                                                                                                |
| 1:40 - 2:00 PM | <b>Indeever Madireddy</b><br><i>Arthur R. Adams SURF Fellow</i>                | Development of mosaic<br>nanoparticle vaccine candidates to<br>protect against diverse<br>sarbecovirus strains | Pamela J. Bjorkman<br><i>David Baltimore Professor of</i><br><i>Biology and Biological</i><br><i>Engineering; Merken Institute</i><br><i>Professor</i><br>Alexander Cohen<br><i>Postdoctoral Scholar Research</i><br><i>Associate in Biology and Biological</i><br><i>Engineering</i>                                                                                                                                                               |
| 2:00 - 2:20 PM | <b>Evan Z. Zhang</b><br><i>Dr. Paraskeva N. Danailov</i><br><i>SURF Fellow</i> | Design of synthetic caspase-based<br>circuits for programmable cancer<br>therapy                               | Michael B. Elowitz<br><i>Roscoe Gilkey Dickinson Professor</i><br><i>of Biology and Bioengineering;</i><br><i>Investigator, Howard Hughes</i><br><i>Medical Institute</i><br>Andrew Lu<br><i>Graduate Student in Biology</i><br>Lukas Moeller<br><i>Graduate Student in</i><br><i>Bioengineering</i>                                                                                                                                                |

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| 2:20 - 2:40 PM | <b>Kara Z. Lo</b><br><i>Taylor Lawrence SURF<br/>Research Fellow</i>               | Investigating the role of <i>Esrrb</i> in<br>nephron development using<br>zebrafish models                                                 | Marianne Bronner<br><i>Edward B. Lewis Professor of<br/>Biology</i><br>Tianli Qin<br><i>Postdoctoral Scholar Research<br/>Associate in Biology and Biological<br/>Engineering</i>                                                                                                                                                                                    |
| 2:40 - 3:00 PM | <b>Mandoline H. Nguyen</b><br><i>Loyola Marymount University<br/>Amgen Scholar</i> | Characterizing sacral-derived<br>progenitors of the developing<br>enteric nervous system                                                   | Marianne Bronner<br><i>Edward B. Lewis Professor of<br/>Biology</i><br>Jessica Jacobs-Li<br><i>Graduate Student in Biology</i>                                                                                                                                                                                                                                       |
| 3:00 - 3:10 PM | <b>BREAK</b>                                                                       |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                      |
| 3:10 - 3:30 PM | <b>Jaidyn M. Woods</b><br><i>Carl F. Braun SURF Fellow</i>                         | Developing an approach to assess<br>early misfolding events in<br>Huntington's Disease                                                     | Judith Frydman<br><i>Professor of Genetics, Stanford<br/>University</i><br>Korbin Kleczko<br><i>Graduate Student in Biology,<br/>Stanford University</i><br>Ivana Buvkin<br><i>Postdoctoral Scholar in Biology,<br/>Stanford University</i><br>Rebecca M. Voorhees<br><i>Professor of Biology and Biological<br/>Engineering; HHMI Freeman<br/>Hrabowski Scholar</i> |
| 3:30 - 3:50 PM | <b>Maya C. Yie</b><br><i>Carl F. Braun SURF Fellow</i>                             | Simultaneous mapping of multiway<br>interactions: Understanding the<br>mechanisms of enhancer-promoter<br>interactions through SPRITE data | Mitchell Guttman<br><i>Professor of Biology</i><br>Isabel N. Goronzy<br><i>MD/PhD Student</i><br>Allen W. Chen<br><i>Graduate Student in Biochemistry<br/>and Molecular Biophysics</i>                                                                                                                                                                               |
| 3:50 - 4:10 PM | <b>Architesh B. Prasad</b>                                                         | Analytical approaches for multi-<br>modal proteomics for eye disease                                                                       | Vinit Mahajan<br><i>Professor of Ophthalmology,<br/>Stanford University</i><br>Michael A. Vivic<br><i>Teaching Professor of Chemical<br/>Engineering</i>                                                                                                                                                                                                             |