

CONTRIBUTED TALKS

| <u>LAST NAME</u> | <u>FIRST NAME</u> | <u>ABSTRACT TITLE</u> |
|--------------------|-------------------|---|
| AMIT | ROEE | "Synthetic 5' UTRs can either up- or down-regulate expression upon RBP binding" |
| BEROZ | FARZAN | "Verticalization of bacterial biofilms" |
| CHAO | LIN | "Stochasticity, immortality, and mortality in <i>E. coli</i> " |
| CHEN | JING | "What a Lysis Pattern Tells about Phage-Bacteria Co-Propagation" |
| CHUNG | H. KAY | "A compact synthetic pathway rewires cancer signaling to therapeutic effector release" |
| COLIN | REMY | "Stochastic Activity of a Bacterial Sensory Network" |
| GAO | XIAOJING | "Programmable Protein Circuits in Living Cells" |
| GUPTA | SANJANA | "Bayesian analysis as a tool for mechanistic inference in cell signaling systems" |
| HAO | NAN | "Waddington's Landscape of Cell Aging" |
| HO | CHRISTINE | "Synchronizing mouse presomitic mesoderm cells <i>Ex vivo</i> and <i>in silico</i> approaches" |
| HOLMES | WILLIAM | "Microtubules Negatively Regulate Insulin Secretion in Pancreatic Beta Cells" |
| JULOU | THOMAS | "Faster Growth Reduces the Sensitivity of Gene Circuits to Environmental Signals" |
| KLUMPE | HEIDI | "Combinatorial logic of BMP signaling" |
| LEE | ROBIN | "An Accessible Microfluidic Platform to Probe the Capabilities of Single Cells" |
| LI | ZHIYUAN | "Evolutionary stable coexistence of microbes" |
| LOPATKIN | ALLISON | "Antibiotic lethality depends directly on metabolic state" |
| MARREC | LOIC | "Periodic treatments and immunity impact antimicrobial resistance evolution and spread" |
| MONDRAGON-PALOMINO | OCTAVIO | "3D imaging of the mammalian microbiota reveals the spatial order of bacteria in the mucosa of intestinal crypts" |
| MUKHERJI | SHANKAR | "Inferring mechanisms of organelle biogenesis from organelle number and size fluctuations" |
| OYLER-YANIV | JENNIFER | "TNF α regulates the tradeoff between speed and accuracy of apoptosis to restrict viral infection" |
| RAMM | BEATRICE | "Molecular Transport by a Propagating Diffusion Barrier" |

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| TAN | CATHERINE | “Probing Macromolecular Crowding in the Cell Nucleus” |
| WOOD | KEVIN | “Steering a bacterial pathogen through the phenotype space of multidrug resistance” |
| YAO | GUANG | “Modeling the Regulation of Cellular Quiescence Depth by Circadian Clock Proteins” |
| YOUK | HYUN | “Ultra-sensitive and fractal-like growth of cells” |