Report

As all SMB meetings, SMB2021 covered all aspects of mathematical biology. Special emphasis this year was on the impact of Mathematical Biology on Translational Science & Promotion of Diversity, Equity, and Inclusion. While COVID-19 was spreading across the world, the Society for Mathematical Biology kept the health and safety of its members as the top priority. We held the 2021 Annual Meeting in a virtual form 24 hours a day to maximize the participation of researchers across the world.

Meeting Partner Societies: Society for Mathematical Biology (SMB), European Society for Mathematical and Theoretical Biology (ESMTB) and Korean Society for Industrial and Applied Mathematics (KSIAM).

Webpage: https://www.smb2021.org/home

Leadership of the Organizing Committee:

- Mark Alber (Chair) | University of California, Riverside, USA
- Amber Smith (Vice Chair) | University of Tennessee Health Science Center, USA
- Weitao Chen (Associate Chair) | University of California, Riverside, USA
- Jolene Britton (Assistant Chair) | University of California, Riverside, USA
- Francesco Pancaldi (Assistant Chair) | University of California, Riverside, USA

Number of Registered Participants and Talks:

- Registered Attendees: **2585**
- Number of countries involved: **47**
- Attending the Early Career workshop: **867**
- Maximum number of parallel sessions: **12**
- Number of talks: **744** Mini-Symposium talks and **275** Contributed Talks
- Number of posters: **196**
- Number involved in mentoring program: **466** as mentees, **153** as mentors, and **130** both
Contributions of Individual Members of the Organizing Committee and Judges:
https://www.smb2021.org/acknowledgments

International Sub-Committees of the Organizing Committee:

Cooperation with ESMTB: Mark Alber, Ellen Baake, Weitao Chen, Lisette de Pillis, Amber Smith, Roeland Merks, Maíra Aguiar, Daniele Avitabile, Robert Planqué

Cooperation with Asia & Oceania and KSIAM: Weitao Chen, Heyrim Cho, Jae Kyoung Kim, Peter Kim, Gen Kurosawa, Lei Zhang

Online platforms used:
- Webinars hosted and recorded with Zoom.
- Sococo used to coordinate webinar links, host poster sessions, networking, and provide industry interface.
- Slack for announcements, support, and discussion.
- Support provided by Mathdept.org

Scientific Committee:

Mark Alber | University of California, Riverside, USA
Ruth Baker | University of Oxford, UK
Reinhard Laubenbacher | University of Florida, USA
Suzanne Lenhart | University of Tennessee, Knoxville, USA
Philip Maini | University of Oxford, UK
Anna Marciniak-Czochra | Heidelberg University, Germany
Gibin Powathil | Swansea University, UK
Santiago Schnell | University of Michigan, USA
Amber Smith | The University of Tennessee Health Science Center, USA

Organizing Committee:

Maíra Aguiar | Basque Center for Applied Mathematics, Bilbao - Basque Country, Spain
Mark Alber (Chair) | University of California, Riverside, USA
Paul Atzberger | University of California, Santa Barbara, USA
Daniele Avitabile | Vrije Universiteit Amsterdam, The Netherlands
Ellen Baake | Bielefeld University, Germany
Mario Banuelos | California State University, Fresno, USA
Mikahl Banwarth-Kuhn | University of California, Merced, USA
Jolene Britton (Assistant Chair) | University of California, Riverside, USA
Sunny Canic | University of California, Berkeley, USA
William Cannon | Pacific Northwest National Laboratory, USA
Weitao Chen (Associate Chair) | University of California, Riverside, USA
Heyrim Cho | University of California, Riverside, USA
Yat Tin Chow | University of California, Riverside, USA
Lisette de Pillis | Harvey Mudd College, USA
Amina Eladdadi | The College of Saint Rose, Albany, USA
German Enciso | University of California, Irvine, USA
Marcella Gomez | University of California, Santa Cruz, USA
Melissa Gomez | University of California, Riverside, USA
Jia Gou | University of California, Riverside, USA
Robert Guy | University of California, Davis, USA
Alexander Hoffmann | University of California, Los Angeles, USA
Chiu-Yen Kao | Claremont McKenna College, USA
Jae Young Kim | KAIST, South Korea
Peter Kim | University of Sydney, Australia
Denise Kirschner | University of Michigan Medical School, USA
Natalia Komarova | University of California, Irvine, USA
Gen Kurosawa | RIKEN, Japan
Doron Levy | University of Maryland, USA
James Marberry | University of California, Riverside, USA
Alison Marsden | Stanford University, USA
Roeland Merks | Leiden University, The Netherlands
Andrew D. McCulloch | University of California, San Diego, USA
Christian Michael | University of California, Riverside, USA
Qing Nie | University of California, Irvine, USA
Francesco Pancaldi (Assistant Chair) | University of California, Riverside, USA
Mykhailo Potomkin | University of California, Riverside, USA
Gibin Powathil | Swansea University, UK
Robert Planqué | Vrije Universiteit Amsterdam, The Netherlands
Russell Rockne | Beckman Research Institute of City of Hope, USA
Suzanne Sindi | University of California, Merced, USA
Kevin Tsai | University of Tennessee Health Science Center, USA
Qixuan Wang | University of California, Riverside, USA
Dominik Wodarz | University of California, Irvine, USA
Roya Zandi | University of California, Riverside, USA
Lei Zhang | Peking University, China

Plenary Speakers:

Sandra Loerakker | Eindhoven University of Technology, Netherlands
Carrie Diaz Eaton | Bates College, USA
Denise Kirschner | University of Michigan Medical School, USA
George Karniadakis | Brown University, USA
Michael Savageau | University of California, Davis, USA
Jennifer A. Flegg | University of Melbourne, Australia
Timothy Elston | University of North Carolina, USA
Leah Edelstein-Keshet | University of British Columbia, Canada
Anita Layton | University of Waterloo, Canada
David Basanta | Moffit Cancer Center, USA
Christian A. Yates | Presentations from Best Paper Prize Winner
Alexander P. Browning* | Presentations from Best Student Paper Prize Winner

Conference Events:

Pre-Conference Program on June 13
- Public Lecture on Mathematical Biology & Translational Science
- Early Career Workshop
- DEI Discussion
Development of Diversity, Equity, and Inclusion Events
- Discussions Celebrating and Building Diversity in Mathematical Biology: Setting the stage for SMB2021
- Discussions Celebrating and Building Diversity in Mathematical Biology: Where do we want to go from here?
- Panel: A Conversation with Leaders in Building Equity & Inclusivity within Mathematical Biology
- Daily DEI Activity

Special Sessions
- Mathematical Biology in Industry
- Mathematics in Medicine

Special Meetings
- Meet with NSF Mathematical Biology Program Directors
- Meet with the Editors in chief of the Bulletin of Mathematical Biology & the Journal of Mathematical Biology
- Meet with the Senior Editor, Mathematics for Book Publishing @ Spinger

Career Fair
- Meet with industry sponsors one-on-one in their Sococo booths
- Check out job postings
- Check out the CVs of SMB2021 registrants

Sponsors:
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