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	5e. TASK NUMBER
	5f. WORK UNIT NUMBER

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13. SUPPLEMENTARY NOTES The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other documentation.

14. ABSTRACT The emerging, interdisciplinary field of Bioinspired Materials focuses on developing a fundamental understanding of the synthesis, directed self-assembly and hierarchical organization of natural occurring materials, and uses this understanding to engineer new "bioinspired" artificial materials for diverse applications. The 2016 Gordon Conference on Bioinspired Materials aimed to capture the excitement of this burgeoning field by a cutting-edge scientific program that focused on fundamental research in Bioinspired Materials Science, chemistry and biology, and the myriad applications that stem from this fundamental research. To do so we assembled a roster of
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15. SUBJECT TERMS Final Report

16. SECURITY CLASSIFICATION OF:	17. LIMITATION OF ABSTRACT	15. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT UU	UU		Timothy Deming
b. ABSTRACT UU			19b. TELEPHONE NUMBER 310-267-4450
c. THIS PAGE UU			

Report Title

Final Report: 2016 Bioinspired Materials Gordon Research Conference and Gordon Research Seminar

ABSTRACT

The emerging, interdisciplinary field of Bioinspired Materials focuses on developing a fundamental understanding of the synthesis, directed self-assembly and hierarchical organization of natural occurring materials, and uses this understanding to engineer new "bioinspired" artificial materials for diverse applications. The 2016 Gordon Conference on Bioinspired Materials aimed to capture the excitement of this burgeoning field by a cutting-edge scientific program that focused on fundamental research in Bioinspired Materials Science, chemistry and biology, and the myriad applications that stem from this fundamental research. To do so we assembled a roster of distinguished invited speakers and discussion leaders who addressed the key issues in the field. Topics covered a wide range of building blocks of bioinspired materials, the synthesis of bioinspired materials made from or inspired by these building blocks, their self-assembly, their system-level integration to create nano-mesoscale scale functional devices, characterization and simulation self-assembly, biological interactions of these materials, and the application of these materials in different domains. The conference was intended to promote cross-disciplinary fertilization of new ideas in the emerging field of Bioinspired Materials and stimulate interactions between young scientists, underrepresented minority scientists, and junior faculty with prominent senior investigators.

Enter List of papers submitted or published that acknowledge ARO support from the start of the project to the date of this printing. List the papers, including journal references, in the following categories:

(a) Papers published in peer-reviewed journals (N/A for none)

<u>Received</u>	<u>Paper</u>
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TOTAL:

Number of Papers published in peer-reviewed journals:

(b) Papers published in non-peer-reviewed journals (N/A for none)

<u>Received</u>	<u>Paper</u>
-----------------	--------------

TOTAL:

Number of Papers published in non peer-reviewed journals:

(c) Presentations

Number of Presentations: 0.00

Non Peer-Reviewed Conference Proceeding publications (other than abstracts):

Received Paper

TOTAL:

Number of Non Peer-Reviewed Conference Proceeding publications (other than abstracts):

Peer-Reviewed Conference Proceeding publications (other than abstracts):

Received Paper

TOTAL:

Number of Peer-Reviewed Conference Proceeding publications (other than abstracts):

(d) Manuscripts

Received Paper

TOTAL:

Number of Manuscripts:

Books

Received Book

TOTAL:

Received

Book Chapter

TOTAL:

Patents Submitted

Patents Awarded

Awards

Graduate Students

<u>NAME</u>	<u>PERCENT SUPPORTED</u>
FTE Equivalent:	
Total Number:	

Names of Post Doctorates

<u>NAME</u>	<u>PERCENT SUPPORTED</u>
FTE Equivalent:	
Total Number:	

Names of Faculty Supported

<u>NAME</u>	<u>PERCENT SUPPORTED</u>
FTE Equivalent:	
Total Number:	

Names of Under Graduate students supported

<u>NAME</u>	<u>PERCENT SUPPORTED</u>
FTE Equivalent:	
Total Number:	

Student Metrics

This section only applies to graduating undergraduates supported by this agreement in this reporting period

The number of undergraduates funded by this agreement who graduated during this period: 0.00

The number of undergraduates funded by this agreement who graduated during this period with a degree in science, mathematics, engineering, or technology fields:..... 0.00

The number of undergraduates funded by your agreement who graduated during this period and will continue to pursue a graduate or Ph.D. degree in science, mathematics, engineering, or technology fields:..... 0.00

Number of graduating undergraduates who achieved a 3.5 GPA to 4.0 (4.0 max scale):..... 0.00

Number of graduating undergraduates funded by a DoD funded Center of Excellence grant for Education, Research and Engineering:..... 0.00

The number of undergraduates funded by your agreement who graduated during this period and intend to work for the Department of Defense 0.00

The number of undergraduates funded by your agreement who graduated during this period and will receive scholarships or fellowships for further studies in science, mathematics, engineering or technology fields:..... 0.00

Names of Personnel receiving masters degrees

NAME
Total Number:

Names of personnel receiving PHDs

NAME
Total Number:

Names of other research staff

NAME PERCENT SUPPORTED
FTE Equivalent:
Total Number:

Sub Contractors (DD882)

Inventions (DD882)

Scientific Progress

Technology Transfer



GORDON RESEARCH CONFERENCES

FINAL PROGRESS REPORT

Army Research Office

Grant Number W911NF-16-1-0335

Bioinspired Materials GRC/GRS

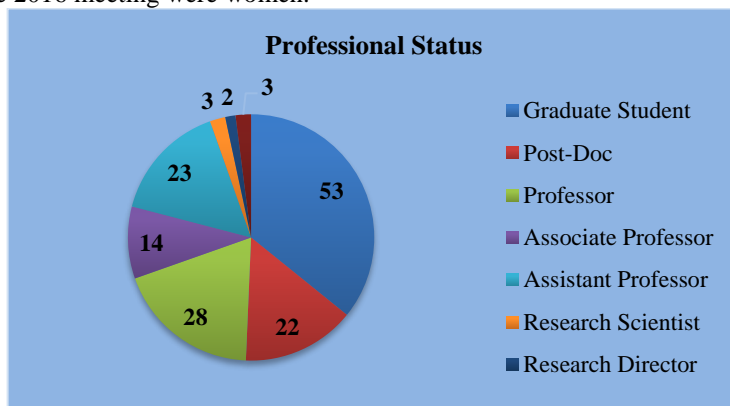
June 4-10, 2016

Operational Summary

The Gordon Research Conference (GRC) and Gordon Research Seminar (GRS) on Bioinspired Materials were held at the Les Diablerets Conference Center in Les Diablerets, Switzerland from June 4-10, 2016. The meeting covered a variety of scientific topics and the content presented was highly rated by participants.

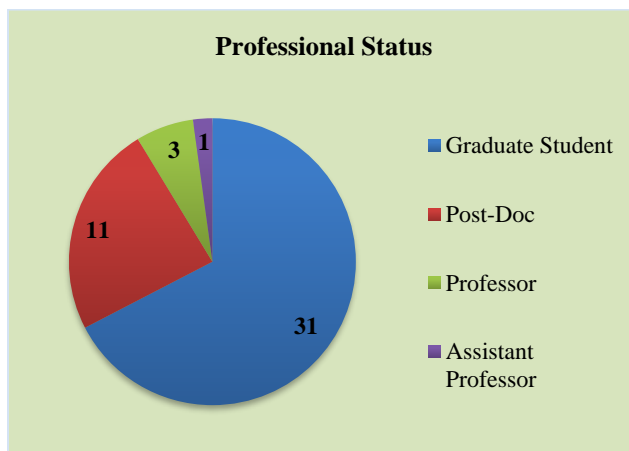
GRC Conference Participants

The Conference was well-attended with 148 participants. Scientists from academia represented 99% of the participants while attendees from government accounted for 1%. The meeting also attracted a strong mix of young investigators and senior scientists. Students and post-docs accounted for 50% of all attendees. Approximately 39% of the participants at the 2016 meeting were women.



Seminar Participants

The Seminar was well-attended with 46 participants. Scientists from academia represented 100% of the participants. Students and post docs combined accounted for 91% of all attendees. Approximately 39% of the participants at the 2016 seminar were women.



Conference Program

The emerging, interdisciplinary field of Bioinspired Materials focuses on developing a fundamental understanding of the synthesis, directed self-assembly and hierarchical organization of natural occurring materials, and uses this understanding to engineer new "bioinspired" artificial materials for diverse applications. The 2016 Gordon Conference on Bioinspired Materials aimed to capture the excitement of this burgeoning field by a cutting-edge scientific program that focused on fundamental research in Bioinspired Materials Science, chemistry and biology, and the myriad applications that stem from this fundamental research. To do so we assembled a roster of distinguished invited speakers and discussion leaders who addressed the key issues in the field. Topics covered a wide range of building blocks of bioinspired materials, the synthesis of bioinspired materials made from or inspired by these building blocks, their self-assembly, their system-level integration to create nano-mesoscale scale functional devices, characterization and simulation self-assembly, biological interactions of these materials, and the application of these materials in different domains. The conference was intended to promote cross-disciplinary fertilization of new ideas in the emerging field of Bioinspired Materials and stimulate interactions between young scientists, underrepresented minority scientists, and junior faculty with prominent senior investigators. The Gordon Research Seminar on Bioinspired Materials focused on the design principles and applications of innovative materials with biological inspiration. The mentorship component covered topics on performing translational research for the attendees defining and designing both individual projects and independent research programs.

Conference Budget

Funding provided by the Army Research Office supported partial registration for 3 postdocs, 7 graduate students, 19 professors, 5 associate professors, 9 assistant professors and 2 research directors at the GRC and partial registration for 17 graduate students and 5 postdocs at the GRS.

Conference Feedback

Participants had an opportunity to provide feedback at the end of the Conference. The feedback collected from the meeting was extremely positive. Evaluations included numerous positive remarks regarding broad range of talks, informal discussions, diversity of speakers and the opportunity to network with the speakers. Evaluations from the GRS included positive comments regarding the panel discussion, tutorial lectures and the opportunity to network with peers.

GRC would like to thank the Army Research Office for its continued support of the meetings. The contributions received from the Army Research Office have been critical to the success of the conferences and are having a measurable impact in advancing the frontiers of science worldwide.

Dr. Timothy Deming, GRC Chair
University of California, Los Angeles

Dr. Abigail Knight, GRS Chair
University of California, Santa Barbara

Dr. Nancy Ryan Gray
President and Chief Executive Officer
Gordon Research Conferences

Bioinspired Materials
Gordon Research Conference

Materials and Biology from Many Perspectives

June 5-10, 2016

Les Diablerets Conference Center
Les Diablerets, Switzerland

Chair: [Timothy J. Deming](#)

Vice Chair: [Zhibin N. Guan](#)

Contributors



Final Meeting Program

Sunday

4:00 pm - 8:00 pm	Arrival and Check-in
6:00 pm	Dinner
7:30 pm - 7:40 pm	Welcome / Introductory Comments by GRC Site Staff
7:40 pm - 9:30 pm	Mechanics of Biological Materials
	Discussion Leader: Hung Nguyen (University of California, Irvine, USA)
7:40 pm - 8:20 pm	Stanislav Gorb (University of Kiel, Germany) "Biological and Biologically-Inspired Adhesive Microstructure: Where Are We Now"
8:20 pm - 8:35 pm	Discussion

8:35 pm - 9:15 pm **Thomas Scheibel** (Universitaet Bayreuth, Germany)
"Engineered Spider Silk Proteins: Bioinspired Polymers for Various Applications"

9:15 pm - 9:30 pm Discussion

Monday

7:30 am - 8:30 am Breakfast

Biointerfaces and Applications

Discussion Leader: **H. Christopher Fry** (Argonne National Laboratory, USA)

9:00 am - 9:40 am **Hagan Bayley** (University of Oxford, United Kingdom)
"Synthetic Tissues"

9:40 am - 10:00 am Discussion

10:00 am - 10:30 am Coffee Break

10:30 am - 11:10 am **Gerard Wong** (University of California, Los Angeles, USA)
"Bioinspired Immunomodulation"

11:10 am - 11:30 am Discussion

11:30 am - 11:50 am **Cecilia Leal** (University of Illinois, USA)
"Topologically Active Lipid Materials: The Role of Nanostructure in Cellular Delivery"

11:50 am - 12:00 pm Discussion

12:00 pm - 12:20 pm **Niels Holten-Andersen** (Massachusetts Institute of Technology, USA)
"Bio-Inspired Metal-Coordination Dynamics: A Useful Tool for Engineering Soft Matter Mechanics"

12:20 pm - 12:30 pm Discussion

12:30 pm Group Photo / Lunch

1:30 pm - 4:30 pm Free Time

4:30 pm - 6:00 pm Poster Session

Bioinspired Devices

Discussion Leader: **Neel Joshi** (Harvard University, USA)

6:00 pm - 6:40 pm **Seung-Wuk Lee** (University of California, Berkeley, USA)
"Biomimetic Self-Templating Materials and Applications"

6:40 pm - 7:00 pm Discussion

7:00 pm - 7:20 pm **Jennifer Cha** (University of Colorado, USA)
"DNA Assembled Photoactive Systems for Renewable Energy"

7:20 pm - 7:30 pm Discussion

7:30 pm - 7:50 pm **Silvia Vignolini** (University of Cambridge, United Kingdom)
"Cellulose Photonics: From Nature to Applications"

7:50 pm - 8:00 pm Discussion

8:00 pm Dinner

Tuesday

7:30 am - 8:30 am Breakfast

Engineered Materials for Medicine

Discussion Leader: **Jessica Kramer** (Stanford University, USA)

9:00 am - 9:40 am **William Murphy** (University of Wisconsin-Madison, USA)

	"Toward Design Rules for Bioinspired Assembly of Human Tissues"
9:40 am - 10:00 am	Discussion
10:00 am - 10:30 am	Coffee Break
10:30 am - 11:10 am	Darrell Irvine (Massachusetts Institute of Technology, USA) "Using Materials Chemistry to Engineer Enhanced Vaccines and Cancer Immunotherapy"
11:10 am - 11:30 am	Discussion
11:30 am - 11:50 am	Bradley Olsen (Massachusetts Institute of Technology, USA) "Engineering a Minimal Consensus Repeat from Nucleoporin Nsp1 for New Selective Biomaterials"
11:50 am - 12:00 pm	Discussion
12:00 pm - 12:20 pm	Sarah Heilshorn (Stanford University, USA) "Designing Adaptable Hydrogels to Enable Cell-Induced Remodeling via Reversible Crosslinks"
12:20 pm - 12:30 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:30 pm	Free Time
4:30 pm - 6:00 pm	<u>Poster Session</u>
6:00 pm - 8:00 pm	Peptide Mimetics
	Discussion Leader: Hua Lu (Peking University, China)
6:00 pm - 6:40 pm	Sjibren Otto (University of Groningen, The Netherlands) "Self-Synthesizing Materials from Self-Replicating Molecules"
6:40 pm - 7:00 pm	Discussion
7:00 pm - 7:40 pm	Matthew Tirrell (University of Chicago, USA) "Protein Analogous Micelles: Versatile, Modular Nanoparticles"
7:40 pm - 8:00 pm	Discussion
8:00 pm	Dinner

Wednesday

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Bioinspired Synthetic Polymers
	Discussion Leader: Nico Bruns (Adolphe Merkle Institute, University of Fribourg, Switzerland)
9:00 am - 9:40 am	Jean Francois Lutz (Institut Charles Sadron (UPR-22) / CNRS, France) "About Codes, Sequences and Polymers"
9:40 am - 10:00 am	Discussion
10:00 am - 10:30 am	Coffee Break
10:30 am - 11:10 am	Kazunori Kataoka (University of Tokyo, Japan) "Self-Assembled Supramolecular Nanosystems for Smart Targeted Therapy of Intractable Diseases"
11:10 am - 11:30 am	Discussion
11:30 am - 12:10 pm	Tanja Weil (Ulm University, Germany) "Self-Assembled Bioinspired Macromolecules for Medicinal Applications"
12:10 pm - 12:30 pm	Discussion
12:30 pm	Lunch

1:30 pm - 4:30 pm	Free Time
4:30 pm - 6:00 pm	<u>Poster Session</u>
6:00 pm - 8:00 pm	Bioinspired Assemblies
	Discussion Leader: Alon Gorodetsky (University of California, Irvine, USA)
6:00 pm - 6:40 pm	Daniel Hammer (University of Pennsylvania, USA) "Functional Superstructures Made from Recombinant Oleosin"
6:40 pm - 7:00 pm	Discussion
7:00 pm - 7:20 pm	Holger Frauenrath (Ecole Polytechnique Federale de Lausanne, Switzerland) "Balancing Nanoscale Order and Disorder to Tailor the Properties of Soft Materials"
7:20 pm - 7:30 pm	Discussion
7:30 pm - 7:50 pm	Julie Champion (Georgia Institute of Technology, USA) "Engineering Protein Assembly to Build Materials from Therapeutic Proteins"
7:50 pm - 8:00 pm	Discussion
8:00 pm	Dinner

Thursday

7:30 am - 8:30 am	Breakfast
8:30 am - 9:00 am	<u>Business Meeting</u> <i>Nominations for the Next Vice Chair; Fill in Conference Evaluation Forms; Discuss Future Site and Scheduling Preferences; Election of the Next Vice Chair</i>
9:00 am - 12:30 pm	Adaptive Design of Materials
	Discussion Leader: Rebecca Schulman (Johns Hopkins University, USA)
9:00 am - 9:40 am	Yi Lu (University of Illinois, USA) "Using DNA Molecules for Encoded Morphology Control, Precise Spatial Positioning, and Stimuli-Responsive Assembly of Nanomaterials"
9:40 am - 10:00 am	Discussion
10:00 am - 10:30 am	Coffee Break
10:30 am - 11:10 am	Jan van Hest (Radboud University Nijmegen, The Netherlands) "Bio-Inspired Adaptive Nanocompartments"
11:10 am - 11:30 am	Discussion
11:30 am - 12:10 pm	Christoph Weder (University of Fribourg, Switzerland) "Bio-Inspired, Mechanically Adaptive Polymer Systems"
12:10 pm - 12:30 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:30 pm	Free Time
4:30 pm - 6:00 pm	<u>Poster Session</u>
6:00 pm - 8:00 pm	Mineralized/Hybrid Materials
	Discussion Leader: Ali Miserez (Nanyang Technological University, Singapore)
6:00 pm - 6:40 pm	LaShanda Korley (Case Western Reserve University, USA) "Exploiting the Structural Diversity in Nature: Mechanical Implications in Elastomers, Composites, and Fibers"
6:40 pm - 7:00 pm	Discussion
7:00 pm - 7:40 pm	Peter Fratzl (Max Planck Institute of Colloids and Interfaces, Germany) "Trusses and Tesselations - Bioinspired Mechanical Design"

7:40 pm - 8:00 pm Discussion

8:00 pm Dinner

Friday

7:30 am - 8:30 am Breakfast

9:00 am Departure

Bioinspired Materials (GRS)

Gordon Research Seminar

Translating Biological Mechanisms into Functional Materials

June 4-5, 2016

Les Diablerets Conference Center

Les Diablerets, Switzerland

Chairs: [Abigail S. Knight](#) & [Karla-Luise Herpoldt](#)

Contributors



Final Meeting Program

Saturday

- | | |
|-------------------|---|
| 1:30 pm - 4:30 pm | Arrival and Check-in |
| 3:00 pm - 3:15 pm | Introductory Comments by GRC Site Staff / Welcome by the GRS Conference Chair |
| 3:15 pm - 4:00 pm | Keynote Session: Translating Biological Mechanisms into Functional Materials
Discussion Leader: Ji Liu (University of Cambridge, United Kingdom) |
| 3:15 pm - 3:45 pm | Matthew Tirrell (University of Chicago, USA)
"Mimicking Proteins by Amphiphile Self-Assembly" |
| 3:45 pm - 4:00 pm | Discussion |
| 4:00 pm - 5:30 pm | <u>Poster Session</u> |
| 5:30 pm - 7:30 pm | Molecular Design and Self-Assembly: Materials from the Bottom Up
Discussion Leader: Ryan Baumgartner (University of Illinois at Urbana-Champaign, USA) |
| 5:30 pm - 5:50 pm | Gokce Su Pulcu (University of Oxford, United Kingdom)
"Chemistry in Motion: A Small Step Towards Development of Synthetic Molecular Motors" |
| 5:50 pm - 6:00 pm | Discussion |

- 6:00 pm - 6:20 pm **Joel Finbloom** (University of California, Berkeley, USA)
"Rotaxane Probes for Applications in Molecular Detection with Xe hyperCEST NMR"
- 6:20 pm - 6:30 pm Discussion
- 6:30 pm - 6:50 pm **Eric Epstein** (University of Illinois at Urbana-Champaign, USA)
"Reversible Mechanically Triggered Strengthening, Toughening and Assembly of Materials via Dynamic Molecular Coordination"
- 6:50 pm - 7:00 pm Discussion
- 7:00 pm - 7:20 pm **Yang Hsia** (University of Washington, USA)
"Designing Self-Assembling Protein Biomaterials: From Building Blocks to Higher-Order Architectures"
- 7:20 pm - 7:30 pm Discussion
- 8:00 pm Dinner

Sunday

- 7:30 am - 8:30 am Breakfast
- 9:00 am - 11:00 am **The Next Generation of Functional Biomaterials**
Discussion Leader: **Gaurav Jain** (New York University, USA)
- 9:00 am - 9:20 am **David Lunn** (University of California, Santa Barbara, USA)
"Exploiting Non-Covalent Interactions in the Synthesis of Functional Materials"
- 9:20 am - 9:30 am Discussion
- 9:30 am - 9:50 am **Soraya Caixeiro** (King's College London, United Kingdom)
"Silk-Based Biocompatible Random Laser"
- 9:50 am - 10:00 am Discussion
- 10:00 am - 10:20 am **Federico Lancia** (University of Twente, The Netherlands)
"Bioinspired Strategies to Convert Light into Motion"
- 10:20 am - 10:30 am Discussion
- 10:30 am - 10:50 am **Bat-El Pinchasik** (Max Planck Institute for Polymer Research, Germany)
"Learning from Insects: Bioinspired Approach to Underwater Adhesion, Locomotion and Release from Submerged Surfaces"
- 10:50 am - 11:00 am Discussion
- 11:00 am - 12:30 pm Poster Session
Coffee will be served in the poster area from 11:00 am - 11:30 am
- 12:30 pm Lunch

1:30 pm - 2:30 pm

Mentorship Component: Faculty Panel Discussion

Discussion Leaders: **Abigail Knight** (University of California, Santa Barbara, USA) and
Karla-Luise Herpoldt (University of Washington, USA)

1:30 pm - 2:30 pm

Panel Discussion

"Inspired by Biology – Made for Industry: Performing Translational Research on Bioinspired Materials"

- **Hagan Bayley** (University of Oxford, United Kingdom)
- **Timothy Deming** (University of California, Los Angeles, USA)
- **Niels Holten-Andersen** (Massachusetts Institute of Technology, USA)
- **Matthew Tirrell** (University of Chicago, USA)

2:30 pm - 3:00 pm

Evaluation Period

Fill in GRS Evaluation Forms

3:00 pm

Seminar Concludes

Bioinspired Materials GRC – Registration List

Name	Organization	Participation	Status
Aguilar, Mibel	Monash University	Poster Presenter	Registered
Andersen, Amanda	Aarhus University	Poster Presenter	Registered
Apfel, Ulf-Peter UPA	Ruhr-university Bochum	Poster Presenter	Registered
Araujo, Andreia	UNIVERSITY OF MINHO	Poster Presenter	Registered
Bastings, Maartje Mc	Harvard University	Poster Presenter	Registered
Baumgartner, Ryan B	University of Illinois at Urbana-Champaign	Poster Presenter	Registered
Bayley, Hagan P	University of Oxford	Speaker	Registered
Becker, Matthew L	The University of Akron	Poster Presenter	Registered
Belitsky, Jason M	Oberlin College	Poster Presenter	Registered
Ben-Sasson, Ariel	University of Washington	Attendee	Registered
Bilek, Marcela M	University of Sydney	Poster Presenter	Registered
Blum, Amy	McGill University	Poster Presenter	Registered
Brudno, Yevgeny	Harvard University / Wyss Institute	Poster Presenter	Registered
Bruns, Nico	Adolphe Merkle Institute, University of Fribourg	Discussion Leader	Registered
Cai, Hao	Nanyang Technological University	Poster Presenter	Registered
Caixeiro, Soraya C	King's College London	Poster Presenter	Registered
Carter, Nathan A	Virginia Tech	Poster Presenter	Registered
Cha, Jennifer	University of Colorado	Speaker	Registered
Champion, Julie A	Georgia Institute of Technology	Speaker	Registered
Chen, Guosong	Fudan University	Poster Presenter	Registered
Claridge, Shelley	Purdue University	Poster Presenter	Registered
Das, Krishnendu	Indian Association for the Cultivation of Science	Poster Presenter	Registered
Deming, Timothy J	University of California, Los Angeles	Chair	Registered
Deravi, Leila	University of New Hampshire	Poster Presenter	Registered
Dhyani, Vartika	Indian Institute of Technology, Delhi	Poster Presenter	Registered
Dong, Zhe	Memorial University	Poster Presenter	Registered
Dzuricky, Michael	Duke University	Poster Presenter	Registered
Epstein, Eric S	University of Illinois at Urbana-Champaign	Poster Presenter	Registered
Evans, Amanda C	California State University Fullerton	Poster Presenter	Registered
Fang, Wenwen	Aalto University	Poster Presenter	Registered
Ferguson, Scott W	University at Buffalo	Poster Presenter	Registered
Finbloom, Joel A	University of California, Berkeley	Poster Presenter	Registered
Fratzl, Peter	Max Planck Institute of Colloids and Interfaces	Speaker	Registered
Frauenrath, Holger	Ecole Polytechnique Federale de Lausanne	Speaker	Registered
Frauke, Moller MF	Ruhr-university Bochum	Poster Presenter	Registered
Fry, H. Christopher	Argonne National Laboratory	Discussion Leader	Registered
Fu, Jing	Nanyang Technological University	Poster Presenter	Registered
Gao, Chen	University of Pennsylvania	Poster Presenter	Registered
Geng, Jin	University of Edinburgh	Poster Presenter	Registered

Germershaus, Oliver	University of Applied Sciences Northwestern Switzerland	Poster Presenter	Registered
Gharakhanian, Eric G	University of California Los Angeles	Poster Presenter	Registered
Girard, Martin	Northwestern University	Attendee	Registered
Gong, Mengsha	California Institute of Technology	Poster Presenter	Registered
Gorb, Stanislav	University of Kiel	Speaker	Registered
Gorodetsky, Alon	University of California, Irvine	Discussion Leader	Registered
Guan, Zhibin N	University of California, Irvine	Vice Chair	Registered
Hammer, Daniel A	University of Pennsylvania	Speaker	Registered
Harrington, Matthew J	Max Planck Institute of Colloids and Interfaces	Poster Presenter	Registered
Harvey, David J	The University of Nottingham	Poster Presenter	Registered
He, Ximin Tracy	Arizona State University	Poster Presenter	Registered
Heilshorn, Sarah C	Stanford University	Speaker	Registered
Herpoldt, Karla-Luise	University of Washington	Poster Presenter	Registered
Holten-Andersen, Niels	Massachusetts Institute of Technology	Speaker	Registered
Hsia, Yang	University of Washington	Poster Presenter	Registered
Hudalla, Gregory A	University of Florida	Poster Presenter	Registered
Huynh, Tan-Phat	Interdisciplinary Nanoscience Center (iNANO)	Attendee	Registered
Hwang, Dong Soo	Pohang University of Science and Technology (POSTECH)	Poster Presenter	Registered
Irvine, Darrell J	Massachusetts Institute of Technology	Speaker	Registered
Jain, Gaurav	New York University	Poster Presenter	Registered
Joshi, Neel S	Harvard University	Discussion Leader	Registered
Kamperman, Marleen	Wageningen University	Poster Presenter	Registered
Karman, Marc	Adolphe Merkle Institute	Poster Presenter	Registered
Kataoka, Kazunori	University of Tokyo	Speaker	Registered
Kim, Tae-il	Sungkyunkwan (SKKU)	Poster Presenter	Registered
Kim, Jisun	Sungkyunkwan University	Poster Presenter	Registered
Kizilel, Seda	Koc University	Poster Presenter	Registered
Knight, Abigail S	University of California, Santa Barbara	Poster Presenter	Registered
Korendovych, Ivan V	Syracuse University	Poster Presenter	Registered
Korley, LaShanda T	Case Western Reserve University	Speaker	Registered
Kral, Petr	University of Illinois at Chicago	Poster Presenter	Registered
Kramer, Jessica R	Stanford University	Discussion Leader	Registered
Kratzer, Domenic	Karlsruhe Institute of Technologie	Poster Presenter	Registered
Lancia, Federico	University of Twente	Poster Presenter	Registered
Leal, Cecilia	University of Illinois	Speaker	Registered
Lee, Seung-Wuk	University of California, Berkeley	Speaker	Registered
Lee, Kyueui	Korea Advanced Institute of Science and Technology	Poster Presenter	Registered
Li, Linying	Duke University	Poster Presenter	Registered
Lim, Sierin	Nanyang Technological University	Poster Presenter	Registered
Liu, Ji	University of Cambridge	Poster Presenter	Registered
Lu, Yi	University of Illinois	Speaker	Registered

Lu, Hua	Peking University	Discussion Leader	Registered
Lueckheide, Michael J	University of Chicago	Poster Presenter	Registered
Luginbuhl, Kelli M	Duke University	Poster Presenter	Registered
Lunn, David J	University of California, Santa Barbara	Poster Presenter	Registered
Lutz, Jean Francois	Institut Charles Sadron (UPR-22) / CNRS	Speaker	Registered
Maiti, Subhabrata	University of Padova	Poster Presenter	Registered
Makhlynets, Olga	Syracuse University	Poster Presenter	Registered
McMahon, Kaylin M	Northwestern University	Poster Presenter	Registered
Merindol, Remi	DWI – Leibniz-Institut für Interaktive Materialien e. V.	Poster Presenter	Registered
Messersmith, Phillip B	University of California, Berkeley	Attendee	Registered
Miserez, Ali	Nanyang Technological University	Discussion Leader	Registered
Murphy, William	University of Wisconsin-Madison	Speaker	Registered
Neal, James A	University of California, Irvine	Poster Presenter	Registered
Ngambenjawong, C	University of Washington	Poster Presenter	Registered
Nguyen, Anh Tuan	National University of Singapore	Poster Presenter	Registered
Nguyen, Hung D	University of California, Irvine	Discussion Leader	Registered
Nguyen, Juliane	State University of New York at Buffalo	Poster Presenter	Registered
Niu, Jia	University of California, Santa Barbara	Poster Presenter	Registered
Nue, Vicki	Aarhus University	Poster Presenter	Registered
Nultsch, Kira	University of Basel	Poster Presenter	Registered
Okesola, Babatunde O	Queen Mary University of London	Poster Presenter	Registered
Olsen, Bradley D	Massachusetts Institute of Technology	Speaker	Registered
Otto, Sijbren	University of Groningen	Speaker	Registered
Park, Byeong Hak	Sungkyunkwan University	Poster Presenter	Registered
Permana, Rega	Pohang University of Science and Technology	Poster Presenter	Registered
Pinchasik, Bat-El	Max Planck Institute for Polymer Research	Poster Presenter	Registered
Prajatelistia, Ekavianty	Pohang University of Science and Technology	Poster Presenter	Registered
Pulcu, Gokce Su	University of Oxford	Poster Presenter	Registered
Purtov, Julia	Leibniz Institut für neue Materialien	Poster Presenter	Registered
Reed, Ellen H	University of Pennsylvania	Poster Presenter	Registered
Robaszewski, Joanna	Brandeis University	Poster Presenter	Registered
Roberts, Stefan	Duke University	Poster Presenter	Registered
Rossetti, Leone	Technische Universität München	Poster Presenter	Registered
Rottmar, Markus	Swiss Federal Lab for Materials Science & Technology	Poster Presenter	Registered
Roy Chowdhury, Sayan	Indian Institute of Technology Guwahati	Poster Presenter	Registered
Scheibel, Thomas	Universitaet Bayreuth	Speaker	Registered
Schlaich, Christoph	Freie Universitat Berlin	Poster Presenter	Registered
Schulman, Rebecca B	Johns Hopkins University	Discussion Leader	Registered
Scott, Evan	Northwestern University	Poster Presenter	Registered
Segmehl, Jana Simone	ETH Zurich	Poster Presenter	Registered
Shin, Mikyung M	Korea Advanced Institute of Science and Technology	Poster Presenter	Registered

Snow, Christopher D	Colorado State University	Poster Presenter	Registered
Stephanopoulos, Nicholas	Arizona State University	Poster Presenter	Registered
Sui, XiaoMeng	Weizmann Institute of Science	Poster Presenter	Registered
Taraballi, Francesca	Houston Methodist Research Institute	Poster Presenter	Registered
Thakur, Neeraj Singh	National Institute of Pharmaceutical Education & Research	Poster Presenter	Registered
Thaxton, Colby S	Northwestern University	Poster Presenter	Registered
Tirrell, Matthew	University of Chicago	Speaker	Registered
Ueda, George	University of Washington - Baker Laboratory	Poster Presenter	Registered
van Hest, Jan	Radboud University Nijmegen	Speaker	Registered
Vignolini, Silvia	University of Cambridge	Speaker	Registered
Vukovic, Lela	University of Texas at El Paso	Poster Presenter	Registered
Wang, Yan	Royal Belgian Institute of Natural Sciences	Poster Presenter	Registered
Wang, Zhichun	University of Pennsylvania	Poster Presenter	Registered
Wang, Shunzhi	Northwestern University	Poster Presenter	Registered
Wang, Szu-Wen	University of California, Irvine	Poster Presenter	Registered
Wang, Xiaoling	University of Science and Technology Beijing	Poster Presenter	Registered
Weder, Christoph	University of Fribourg	Speaker	Registered
Weil, Tanja	Ulm University	Speaker	Registered
Welch, John T	University at Albany	Poster Presenter	Registered
Wenzel, Tobias	University of Cambridge	Poster Presenter	Registered
Wilker, Jonathan J	Purdue University	Poster Presenter	Registered
Willems, Lion	Wageningen University & Research	Poster Presenter	Registered
Wojciechowski, Jonathan	University of New South Wales	Poster Presenter	Registered
Wong, Gerard	University of California, Los Angeles	Speaker	Registered
Yadavalli, Vamsi K	Virginia Commonwealth University	Poster Presenter	Registered
Yewdall, Natalia A	University of Canterbury	Poster Presenter	Registered
Zha, R. Helen	Eindhoven University of Technology	Poster Presenter	Registered

Bioinspired Materials GRS – Registration List

Andersen, Amanda	Aarhus University	Poster Presenter	Registered
Baumgartner, Ryan B	University of Illinois at Urbana-Champaign	Discussion Leader	Registered
Bayley, Hagan P	University of Oxford	Speaker	Registered
Caixeiro, Soraya C	King's College London	Speaker	Registered
Carter, Nathan A	Virginia Tech	Poster Presenter	Registered
Deming, Timothy J	University of California, Los Angeles	Speaker	Registered
Dong, Zhe	Memorial University	Poster Presenter	Registered
Epstein, Eric S	University of Illinois at Urbana-Champaign	Speaker	Registered
Fang, Wenwen	Aalto University	Poster Presenter	Registered
Ferguson, Scott W	University at Buffalo	Poster Presenter	Registered
Finbloom, Joel A	University of California, Berkeley	Speaker	Registered
Frauke, Moller MF	Ruhr-university Bochum	Poster Presenter	Registered
Gao, Chen	University of Pennsylvania	Poster Presenter	Registered
Girard, Martin	Northwestern University	Poster Presenter	Registered
Herpoldt, Karla-Luise	University of Washington	Chair	Registered
Holten-Andersen, Niels	Massachusetts Institute of Technology	Speaker	Registered
Hsia, Yang	University of Washington	Speaker	Registered
Jain, Gaurav	New York University	Discussion Leader	Registered
Knight, Abigail S	University of California, Santa Barbara	Chair	Registered
Lancia, Federico	University of Twente	Speaker	Registered
Lee, Kyueui	Korea Advanced Institute of Science and Technology	Poster Presenter	Registered
Liu, Ji	University of Cambridge	Discussion Leader	Registered
Lueckheide, Michael J	University of Chicago	Poster Presenter	Registered
Lunn, David J	University of California, Santa Barbara	Speaker	Registered
Maiti, Subhabrata	University of Padova	Poster Presenter	Registered
McMahon, Kaylin M	Northwestern University	Poster Presenter	Registered
Neal, James A	University of California, Irvine	Poster Presenter	Registered
Niu, Jia	University of California, Santa Barbara	Poster Presenter	Registered
Nue, Vicki	Aarhus University	Poster Presenter	Registered
Pinchasik, Bat-El	Max Planck Institute for Polymer Research	Speaker	Registered
Pulcu, Gokce Su	University of Oxford	Speaker	Registered
Purtov, Julia	Leibniz Institut fur neue Materialien	Poster Presenter	Registered
Qing, Yujia	University of Oxford	Poster Presenter	Registered
Reed, Ellen H	University of Pennsylvania	Poster Presenter	Registered
Rossetti, Leone	Technische Universität München	Poster Presenter	Registered
Schlaich, Christoph	Freie Universitat Berlin	Poster Presenter	Registered
Shin, Mikyung M	Korea Advanced Institute of Science and Technology	Poster Presenter	Registered
Tirrell, Matthew	University of Chicago	Speaker	Registered
Ueda, George	University of Washington - Baker Laboratory	Poster Presenter	Registered
Wang, Zhichun	University of Pennsylvania	Poster Presenter	Registered

Wang, Shunzhi	Northwestern University	Poster Presenter	Registered
Wenzel, Tobias	University of Cambridge	Poster Presenter	Registered
Willems, Lione	Wageningen University & Research	Poster Presenter	Registered
Wojciechowski, Jo	University of New South Wales	Poster Presenter	Registered
Yewdall, Natalia A	University of Canterbury	Poster Presenter	Registered
Zha, R. Helen	Eindhoven University of Technology	Poster Presenter	Registered