College of Arts and Sciences Update

November 9, 2020
 Continued Collaboration & Operational Understanding
Discussion of Intellectual Opportunities Throughout
Implementation of Initiatives Under Three Constellations
COVID-19 pandemic

Global Processes, Connections & Flows

Scholarly Creativity & Exploration

Digital Revolution & Beyond
Update on:
New Faculty and Leaders
Faculty and Student Achievements
Enrollments and Research Expenditures
COVID-19
Budget
Innovations in Curriculum and Research
New leaders in CAS

Andreas Koenig, Chair, Department of Anthropology
Andrew Newman, Chair, Department of English
Mary C. Rawlinson, Interim Chair, Department of Philosophy
Daniel N. Klein, Co-Chair, Department of Psychology
Arthur Samuel, Co-Chair, Department of Psychology
Hugo Benitez-Silva, Interim Chair, Department of Economics

January 2021:
Patrice Ngang, Chair, Department of Africana Studies
EK Tan, Chair, Department of Asian and Asian American Studies
Peter Khost, Director, Program in Writing and Rhetoric
New and Newly Tenured and/or Promoted Faculty in CAS

24 promotions to Associate Professor
11 promotions to Full Professor
1 new Distinguished Professor
5 new Lecturers
11 new Assistant Professors
4 new Full Professors
2 new Artists-in-Residence

https://www.stonybrook.edu/commcms/cas/faculty_and_staff/faculty_affairs/new-faculty/
New Faculty and Staff in CAS

George Aumoithe, Africana Studies
Shimon Attie, Art
Rosabel Ansari, Asian and Asian American Studies
Benjamin Levine, Chemistry/IACS
Loredana Polezzi, ELLC
Tara Smiley, Ecology and Evolution
Pascal Title, Ecology and Evolution
Rafael D'Andrea, Ecology and Evolution
Eran Shmaya, Economics
Francesca Spedalieri, English / WGSS
Fernando Loffredo, HLL
Jordon Kodner, Linguistics
Tatiana Luchkina, Linguistics

Owen Rambow, Linguistics/IACS
Olivier Martin, Mathematics
Matthew Daniel Romney, Mathematics
Jingrui Cheng, Mathematics
Theodore Drivas, Mathematics
João Luiz, Music
Jeremy Little, Music
Markus Riessland, Neurobiology and Behavior
Qiang Li, Physics and Astronomy
Ryan Vander Wielen, Political Science
Soni Adhikari, Writing and Rhetoric
Yongjun Zhang, Sociology/IACS

William Martin III, English
Kathleen McCauley, Chemistry

Ann Duffy, Mathematics
Myoshe Evans, CAS Dean’s office
24 Newly Promoted Associate Professors in CAS

Eriko Sato, Asian and Asian American Studies
Zebulon Miletsky, Africana Studies
Catherine Markham, Anthropology
David Matus, Biochemistry and Cell Biology
Thomas Allison, Chemistry/Physics & Astronomy
Krishna Veeramah, Ecology and Evolution
Yiyi Zhou, Economics
Elyse Graham, English
Justin Johnston, English
Simone Brioni, English
Timothy August, English
Joel Hurowitz, Geosciences
Joshua Teplitsky, History
Jiwon Yun, Linguistics

Benjamin Tausig, Music
Erika Honisch, Music
Margarethe Adams, Music
Matthew Barnson, Music
Stephen Smith, Music (Spring 2020)
Il Memming Park, Neurobiology & Behavior
Mengkun Liu, Physics and Astronomy
Michael Wilking, Physics and Astronomy
Ryan Parsons, Psychology
Jason Jones, Sociology
11 Newly Promoted Full Professors in CAS

Hongkyung Kim, Asian and Asian American Studies
Heather Lynch, Ecology and Evolution
Eva Carceles-Poveda, Economics
Eric Zolov, History
Christian Schnell, Mathematics
Arianna Maffei, Neurobiology and Behavior
Shaoyu Ge, Neurobiology and Behavior
Dominik Schneble, Physics and Astronomy (Spring 2020)
Crystal Fleming, Sociology
John Shandra, Sociology
Roger Thompson, Program in Writing and Rhetoric
Award-Winning Rising Star Faculty

Eszter Boros, Chemistry
2020 Moore Inventor Fellow

Zebulon Miletsky, Africana Studies
History Makers 2020 Innovations in Pedagogy: Teaching Fellowship Award

Bonita London, Psychology
2020 Fellow of the Society for the Psychological Study of Social Issues

Matthew Lerner, Psychology
2020 Sara S. Sparrow Early Career Research Award

Jennifer Cano, Physics and Astronomy
2019 NSF CAREER Award

Bonita London, Psychology
2020 Fellow of the Society for the Psychological Study of Social Issues

Matthew Lerner, Psychology
2020 Sara S. Sparrow Early Career Research Award

Memming Park, Neurobiology
Two AI Papers Accepted for Prestigious Neural Information Processing Systems Conference

Robert Hough, Mathematics
2020 Sloan Fellowship
Award Winning Faculty

- **25 AAAS Fellows**
- **11 NAS/NAE/NAI members**
- **3 National Academy of Inventors**

**Surita Bhatia, Chemistry**
2020 Fellow of the American Institute of Chemical Engineers and Society of Rheology

**Suparna Rajaram, Psychology**
2020 American Academy of Arts and Sciences

**Lori Flores, History**
Joseph Pierce, HLL
Crystal Fleming, Sociology
2020 SBU Mid-Career Faculty Diversity Awards

**Rouven Essig, Physics & Astronomy/YITP**
2020 New Horizons in Physics Prize

**Center for Neural Circuit Dynamics**
Receives NIH BRAIN Initiative Grant

**Leonardo Rastelli, YITP/Physics and Astronomy**
2020 Simons Investigator Award

**Center for Neural Circuit Dynamics**
2020 American Physical Society Fellows
Rouven Essig
Marivi Fernandez-Serra
Dominik A. Schneble

**Simon Donaldson, Mathematics**
2020 Wolf Prize in Mathematics
SUNY Chancellor’s Awards for Excellence

Excellence in Adjunct Teaching
Jeffrey EcklundLe, Lecturer, Undergraduate Biology

Excellence in Faculty Service
Dr. Mary Jo Bona, Professor, Department of Women’s Gender and Sexuality Studies
Dr. Marie Huffman, Ph.D, Department of Linguistics
Dr. Hoi-Chung Leung, Professor, Department of Psychology

Excellence in Professional Service
Elizabeth-Anne Tolson, Senior Staff Assistant, Department of European Languages

Excellence in Scholarship and Creative Activities
Dr. Carlos Simmerling, Professor, Dept of Chemistry and Laufer Center for Physical and Quantitative Biology
Dr. Jacobus Verbaarschot, Professor, Department of Physics and Astronomy

Excellence in Teaching
Dr. Steven Glynn, Associate Professor, Department of Biochemistry
Dr. Sohl Lee, Assistant Professor, Art Department
Dr. Marci Lobel, Professor, Department of Psychology
Karena Chapman, Chemistry  
Joseph W. Lauher and Frank W. Fowler Endowed Chair in Materials Chemistry

Alexander Zamoldchikov, Physics & Astronomy  
Chen Ning Yang – Wei Deng Endowed Chair in Physics and Astronomy

Paul Kelton, History  
Robert David Lion Gardiner Chair in American History

Nikos Panou, English  
Tsantes Endowed Professor in Hellenic Studies

Eric Haralson, English  
Inaugural Endowed Professor in Global Citizenship

Katy Siegel, Art  
Eugene V. and Clare E. Thaw Endowed Chair in Modern American Art

Pat Wright, Anthropology  
Herrnstein Family Endowed Chair in Conservation Biology

Ken Dill, Physics & Astronomy / Chemistry  
Louis and Beatrice Laufer Endowed Chair of Physical and Quantitative Biology

Carlos Simmerling, Chemistry  
Marsha Laufer Endowed Professor of Physical and Quantitative Biology

Heather Lynch, Ecology & Evolution  
IACS Endowed Chair

Anandavilli and Dr. G. Swaminatham Endowed Professor in Tamil  
Endowed Distinguished Chair in Economics

Nirmal K. and Augustina Mattoo Chair in Classical Indic Humanities  
James Rohlf Endowed Chair in Morphometrics

Shimon Attie, Art  
Inaugural Charles C. Bergman Visiting Professor in Studio Art

Owen Rambow, Linguistics/IACS  
IACS Endowed Chair

Loredana Polezzi, ELLC  
Alfonse M. D’Amato Endowed Chair in Italian American and Italian Studies

Heather Lynch, Ecology and Evolution  
IACS Endowed Chair in Ecology and Evolution
13,177 Students
Award Winning Students

- **2020 Nine Fulbright Fellows**
- **2020 Four NSF Graduate Research Fellows**
- **2020 One Goldwater Scholar**
- **2020 Two Mellon/ACLS Dissertation Completion Fellowships**
CAS Proposal Submissions and Research Expenditures are Trending Upward

As of Q4 2019-2020

$\$ Total All Research Expenditures

$\$ Year over Year Increase in Expenditures

$55.6M

$1.3M 2.5% increase
CAS Advancement raised $3.5+ Million in AY 19-20

- $3,225,785 in endowments, scholarships and current use gifts
- $42,465 Gifts-in-Kind
- $57,000 Planned Giving

Thank you to all the CAS Faculty and Staff who have contributed to help our students
CAS by the Numbers (19-20)

CAS FTE Faculty - 446 T/TT

- CAS 45%
- SBU 55%

Fall/Spring Credit Hours of Instruction - 339,441

- CAS 52%
- SBU 48%

CAS Fed Research Expenditures - $52MM

- CAS 33%
- SBU 67%

Total Doctoral Students - 1307

- CAS 60%
- SBU 40%

CAS Alumni - 125,000

- CAS 64%
- SBU 36%

Data from stonybrook.edu/irpe & SBF
• Massive movement of instruction online
• Research ramp-down and ramp-up
• More than 40 COVID-19 research studies in CAS, spanning 10 disciplines; more than half in the Department of Psychology

Shout of thanks to:
• Faculty and Staff for going above and beyond to help students and colleagues adjust to our socially distanced circumstances
• A&S Senate Curriculum committee, 100 courses reviewed in 100 days

Our Students value what everyone is doing on their behalf
Engaging our broader alumni community

- Virtual talks by faculty
- Panels with alumni
- 200+ attendees per presentation

Please extend thanks to the Alumni Association and in particular Janet Masini for their partnership in facilitating these events!
Town Halls/Webinars addressing concerns of our community

- Collaboration with the Center for Changing Systems of Power, the Alumni Association and various CAS departments including the Department of Africana Studies
- Highest attendance nearly 400 members of our community
4-year Budget Projection

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>2019-2020</th>
<th>2020-2021</th>
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</thead>
<tbody>
<tr>
<td>State Expenses</td>
<td>$(89,604,067)</td>
<td>$(90,127,437)</td>
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<tr>
<td>Target+Revenue+Offsets</td>
<td>$89,604,067</td>
<td>$90,127,437</td>
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<tr>
<td>Pre-Covid Actual Condition</td>
<td>$850,000</td>
<td>$0</td>
</tr>
<tr>
<td>COVID Condition</td>
<td>$800,000</td>
<td>$(5,800,000)</td>
</tr>
</tbody>
</table>

- Attrition savings, cancelled searches, and vacancies are being held to account for projected cuts in state funding
- Central will pay CSI this year
- Anticipated shortfalls and future budget model will be addressed through President’s Strategic Budget Initiative to focus on
  - innovating curriculum
  - elevating research
Navigating to 2030

Grand Challenge Areas

Global Processes, Connections & Flows
- Global Migration of People and Ideas
- Global Health and Disparities
- Global Inequalities and Power
- Global Environment/Energy and Natural Resources

Digital Revolution & Beyond
- Advancing Research Frontiers with Platform for Data (Information) Science
- Social Implications of the Digital Revolution/DI Hybrid

Scholarly Creativity & Exploration
- STEAM: Education and Communication and Creative Expression
- Cross-Cutting Disciplines: Mind, Brain, Body - From Biology to Culture
- Cross-Cutting Disciplines: Origins and Explorations of the Universe and Planetary Systems
- Cross-Cutting Disciplines: Evolution and Transformation
BA in Globalization Studies and International Relations

- Formally launched in Fall 2020
- Virtual Alumni Career Panel attended by more than 130 interested students and alumni.
- About 200 applicants last year
- Currently 28 majors and growing

Kudos to
- Sophie Raynard-Leroy
- Andrea Fedi

Next steps
- Recruit new students and retain our students who have engaged at a pivotal moment
- Address interest in globalization at the masters graduate level through focus areas in existing masters programs with microcredentialing
Digital Intelligence

- IAE 101: Introduction to Digital Intelligence
  - Fall 2019 - 250 students
  - Fall 2020 – 550 students

- Foundation for Vertically integrated Project Courses

- Skills-based competency microcredentials layered onto existing BA, MA, PhD in Arts, Humanities, and Social Sciences
- Working on federal legislation to move VIP programs forward with Dept of Ed funding
- Exploring NY State Dept. of Labor workforce training

Quantum

- SUNY Center
- Empire Innovation Program funding
- BNL C²QA (DOE), SBU is a partner
- Invited to submit full NSF Quantum Leap Challenge Institute combined forces with U Buffalo and SUNY Workforce Development
Sustainable Plastics

- SUNY Center CEAS/CAS collaboration to develop scalable concepts for recycling mixed plastic into fuels and chemical feedstock.
- Many additional proposals in process/submitted
Health Disparities

- CAS/Health Sciences/Engineering
- Focus on addressing inclusion and equity in the professoriate and in research
- Concept under development
- Building on SBU strengths

- CANCER
- AGING/LIFESPAN
- MENTAL HEALTH/BRAIN SCIENCE
- INFECTIOUS DISEASE
Navigating to 2030

• Our Vision and Strategy will help lead us out of the 2020 pandemic
• Identified Constellations of Strength for Research and Scholarship in Impactful Grand Challenge Areas
• Principles to guide us as we align with President’s Strategic Plan

https://www.stonybrook.edu/commcms/cas/about/_images/Navigation_to_2030_02.24_digital.pdf
Thanks to all of CAS

Leadership
Faculty
Staff
Students
Questions?