

Business Meeting - Agenda

Chairs: Uwe Schlattner & Evgeny Pavlov

February 19, 5:00-5:30 PM

Subgroup live 2021/22

Subgroup election results
Future subgroup council
Evolution of BPS Subgroups

Budget 2022

Budget update
Reserve evolution

San Diego 2023 & future

Symposium format and subgroup dinner
Nominations for BPS Awards and Council
Virtual seminars/webinars
Suggestions for program/subgroup symposia
Past symposium topics & suggestions

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Subgroup live 2021/22



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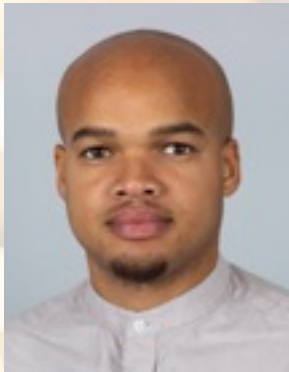
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Subgroup research awards

Student Bioenergeticist Award

Kareem Heslop

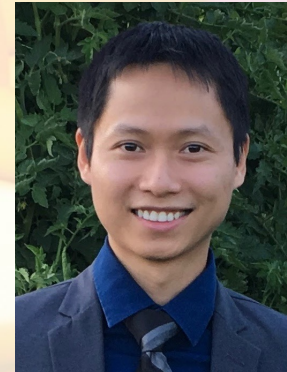
(Medical University of South Carolina)



Young Bioenergeticist Award

Phung N Thai

(University of California, Davis)



Subgroup elections

Co-Chairs

Nelli Mnatsakanyan

(Yale Univ. School of Medicine
& Pennsylvania State University)



Ildiko Szabo

(University of Padova,
Italy)



Executive council

Eduardo N. Maldonado

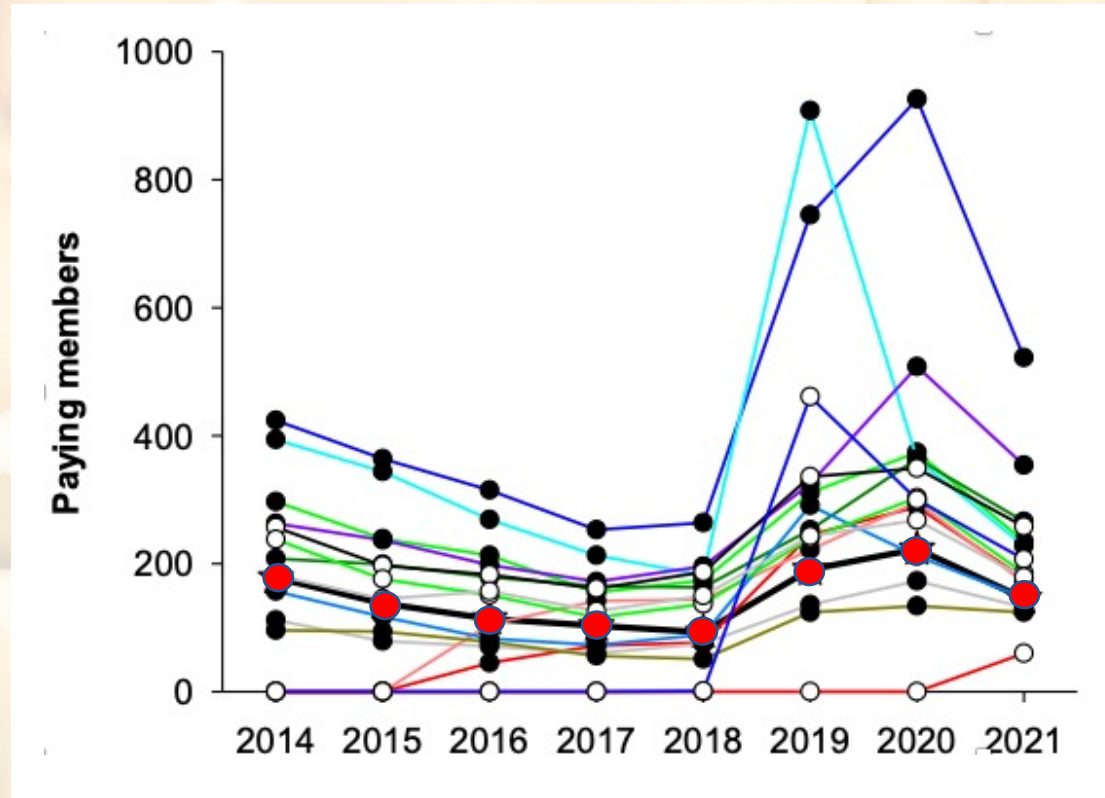
(Medical University of South
Carolina, Charleston)



Subgroup leadership 2022-23

<i>Co-Chairs</i>	Sonia Cortassa	2021-23
	Elena Dedkova	2021-23
<i>Co-chairs elect</i>	Nelli Mnatsakanyan	2022-24
	Ildiko Szabo	2022-24
<i>Secretary-Treasurer</i>	Maria E. Solesio (Torregrosa)	2021-23
<i>Executive Council Members</i>	Veronica Eisner	2021-23
	Eduardo N. Maldonado	2022-24

Subgroup membership



As of 12/07/2021:
248 registered members

Nominations for 2023

2 Co-Chairs

Secretary-Treasurer

1 Executive Council Member

**Is it sustainable to elect every year two new co-chairs?
Changes in bylaws?**

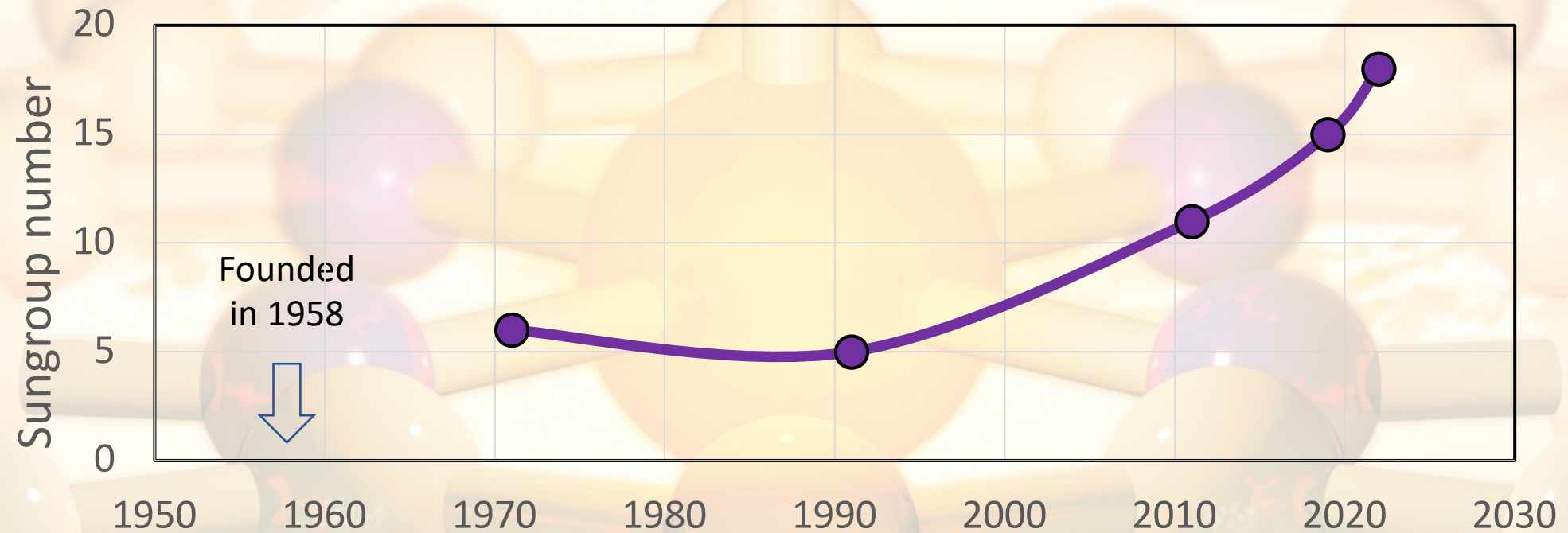
Evolution of BPS subgroups

BPS Task Force in summer 2021

Problem:

- There is an increase of Subgroup numbers over the last years
- The 2022 meeting supports 18 subgroups
- Space in convention centres becomes limiting
- New subgroups will no more be possible

Evolution of BPS subgroups



Evolution of BPS subgroups

Options that were discarded:

- Alternation of in-person and virtual Subgroup symposia
- 3rd symposium a day (morning, afternoon, and evening)
- Increase of the minimum threshold of 100 members to form or continue a Subgroup
- Combining two Subgroups for one single one-day symposium
 - joint scheduling of two Subgroups such that they can provide a day-long symposium is fine but does not solve problem

Evolution of BPS subgroups

Recommendations to the council:

- Limit the total number of Subgroups to 18
- Annually evaluate Subgroups using a quantitative report card
- Provide best practices guide to Subgroup Chairs
- Support emerging research areas with an incubator program
- Require new Subgroup applicants to critically analyze their relationship to existing Subgroups

Evolution of BPS subgroups

Subgroup reporting

Member Engagement				Administrative Tasks		Symposium
Career Opportunities: Subgroup Awards, Flash talks for postdocs, Mentor Panels	Community Building: Subgroup Dinner/Social Mixer, Sharing events of interest, Discussion on Forums	Additional Content: Webinars, Blogs, State Letters, Social Media	Diversity, Equity & Inclusion: Women, early career, geographic diversity, and URM	Officer Responsiveness: Attends meeting(s), responds to emails, keeps BPS staff informed	Meets Deadlines: reimbursement policy, budgets, speaker list, program, AV/Catering, elections	Attendance

We could improve on some of these issues!

Evolution of BPS subgroups

See also

“The Vitality of Subgroups”

BPS Bulletin, January 2022

<https://www.biophysics.org/bps-bulletin/the-vitality-of-subgroups>

Budget issues



Thanks to Maria Solesio!

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Preliminary 2022 Budget - Revenue

Budget 2022 (estimated)	
Membership Dues	\$1,170
Sponsorship/Contributions	\$3,000
<i>Dinner (canceled)</i>	<i>\$2,850</i>
Total Revenue (minus dinner)	\$4,170

Sponsors

Sponsor	
Thermo Fisher Scientific	\$1,200
New England Biolabs GES	\$500
<i>Univ. Grenoble Alpes</i>	<i>\$800</i>
<i>BBA Bioenergetics</i>	<i>\$500</i>
TOTAL Sponsors	\$3,000

We kindly thank our sponsors and the members who secured this funding!!

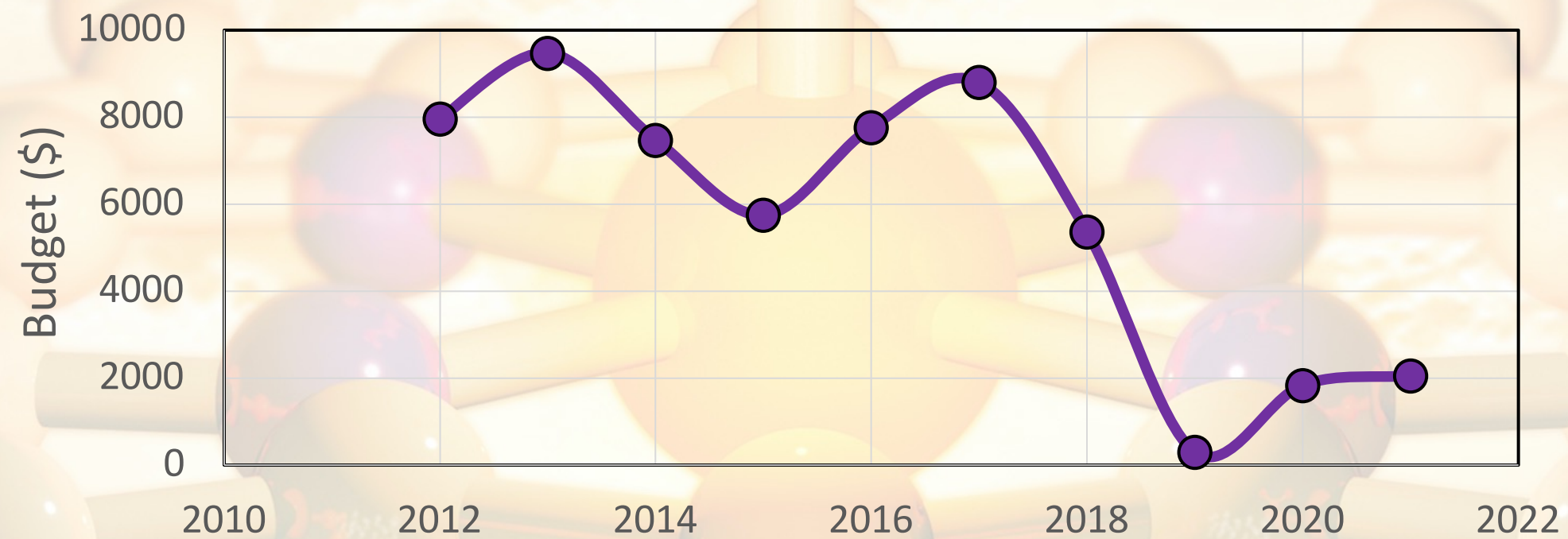
Preliminary 2022 Budget – Expenses

Budget 2022 (estimated)	
A-V expense	\$1,783
Catering (coffee break)	\$612
Awards	\$450
<i>Meals (dinner, cancelled)</i>	<i>\$3,675</i>
Miscellaneous	\$1,825
Total Expenses (minus dinner)	\$4,670

Total Net Revenue

Balance	
Revenue	\$4,170
Expenses	\$4,670
TOTAL	\$ -500

Subgroup reserve evolution



We should increase our reserves!

Meeting San Diego 2023



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Save the date



67th Annual Meeting

📅 Saturday, Feb 18, 2023 - Wednesday, Feb 22, 2023

📍 San Diego Convention Center, 111 W Harbor Dr, San Diego, CA 92101, USA

Symposium format and subgroup dinner

Symposium:

Maintained as in-person half-day event, switching between morning and afternoon sessions.

Subgroup dinner:

Will be continued next year as an essential part of our subgroup live. We may invite speakers of the 2021 and 2022 symposia to join the dinner next year.

Nominations for BPS Awards and Council

Awards:

Many BPS awards are not limited to a specific field!

<https://www.biophysics.org/awards-funding/society-awards>

Application through the online nomination site.

Council:

Our new co-chair **Ildiko Szabo (Univ Padova, Italy)** will compete this year for Council, please promote her election within your personal network!

Virtual seminars/webinars

Proposal:

Topical online seminars with few speakers and BPS subgroup label.

- organization and technical infrastructure by host
- announcement and promotion by BPS

Advantages:

- subgroup attractivity, promote subgroup topics, gain new members
- BPS visibility, quantitative parameter for subgroup activity

Suggestions for program/subgroup symposia

- 2024 main program
 - requires ideas/seeds that will be further developed by BPS
- 2023 subgroup symposium
 - requires full proposal (chairs, abstract, speakers, sponsors)
 - selection by the subgroup council + past co-chairs
- 2022 virtual seminars ?
 - would require full proposal and approval by the subgroup council

Submission format (example)

PROPOSED BIOENERGETICS SYMPOSIUM (2022)

TITLE: NEW INSIGHTS INTO MITOCHONDRIAL FUNCTION

CO-CHAIRS: CARMEN MANNELLA, KARIN BUSCH

SUMMARY: New imaging technologies coupled with progress in targeting of molecular probes are generating a cascade of data about the functioning of mitochondria, isolated and in situ. As expected, the results generate as many new questions as answers to old ones. This symposium would be an opportunity for researchers using cryo-electron microscopy, super-resolution light microscopy, and correlative LM/EM methods to present their latest work, referencing related work of peers and addressing key issues about interpretation and limitations of new techniques. [No keynote speaker but rather a short perspective by a co-chair to maximize Q/A time during the session. Titles of talks are suggested and have not been pre-approved by the speakers. Several alternative speakers on related topics are possible. Collaborators are separated by “/”]

PERSPECTIVE One of the co-chairs

SPEAKER 1 LIRON BOYMAN/JON LEDERER
Interplay of membrane potential, Ca^{2+} , and diffusion in the control of ATP synthesis in cardiac muscle.

SPEAKER 2 KAREN DAVIES/WERNER KUHLBRANDT
How dimerization of F1F0-ATPase regulates crista shape and ATP synthesis.

SPEAKER 3 MARTIN OTT/CHRISTOPH von BALLMOOS/STEPHAN JAKOBS
Measuring local pH inside mitochondria: Where are the proton gradients and what do they do?

SPEAKER 4 ANDREAS REICHERT or ANDREA DLOSKOVA/PETR JEZEK or TILL STEPHAN/STEPHAN JAKOBS
Direct measurement of crista dynamics: Does crista shape correlate with metabolism (or metabolic activity)?

SPEAKER 5 SULIANA MANLEY or JENNIFER LIPPINCOTT-SCHWARTZ or GYORGY HAJNOCZKY/GYORGY CSORDAS
How inter-organelle contacts regulate mitochondrial processes

SPONSORS Several light and electron microscopy vendors, in particular those with ties to the speakers, possibly:
1) ThermoFisher
2) Zeiss
3) Nikon
4) Leica

Past symposium topics

Main program

- 2021 N/A
- 2020 Mitochondrial Calcium Fluxes
- 2019 Proton-coupling Bioenergetics
- 2018 Energy Transduction
- 2017 Mitochondrial Dynamics and Transport
- 2016 N/A
- 2015 Molecular Basis for Mitochondrial Signaling

Subgroup symposia

- 2021 Mitochondrial and Metabolic Mechanisms of Lifespan and Healthspan Extension
- 2020 Mitochondrial Ion Channels
- 2019 Structure-Function of Mitochondrial Super-Complexes
- 2018 Mitochondrial Signaling in Neurodegeneration
- 2017 High Resolution Structure, Function and Dynamics of Mitochondrial Proteins
- 2016 Mammalian Mitochondria: Ontogeny and Phylogeny
- Sub-diffraction Resolution of Mitochondrial Structure and Molecular Landscape

Past topic suggestions

Examples of seeds and full proposals (Gyorgy Gsorda's)

- Mitochondrial cholesterol: mechanism of import and effect on mitochondrial function and bioenergetics *Tatiana Rostovtseva/Michelangelo Campanella*
- Mitochondria and inflammation *Liz Jonas*
- Bioenergetics as drug target *Pablo Peixoto*
- Organelle (mitochondria) ROS signaling *Pablo Peixoto*
- Mitochondria and autism *Sonia Cortassa*
- Protonic Bioenergetics: Latest Discoveries and Progresses in Mitochondria and Other Biosystems
James W. Lee

Please send suggestions by mail to the new co-chairs!

**THANK
YOU**