

Stem Cells Specialty Section

ANNUAL REPORT: 2021–2022

May 1, 2021 to April 30, 2022

I. Officers/Committees

<u>Officer</u>	<u>2021–2022</u>	<u>2022–2023</u>
President:	M. Diana Neely	Petra Haberzettl
Vice President	Petra Haberzettl	Blake Anson
Vice President-Elect:	Blake Anson	Nicole zur Rieden
Secretary/ Treasurer:	Lauren Lewis	Aaron B. Bowman
Past President:	Mike Clemens	M. Diana Neely
Councilors:	Sanket Gadlia	Sanket Gadlia
	Mike Clemens	Mike Clements
	Nicole zur Nieden	
Postdoctoral Representative:	Nicole Sparks	Zimple Kurlawala
Graduate Student Representative:	Amy Tran	Iqra Pervaiz

Committees, if applicable: None

II. 2022 Membership total: 88

III. Key Outcomes in 2021–2022:

- Facelift of the Website was finished during this time period.
- SCSS held their first in person reception since 2019.
- Received a session proposal (Session ID23: “*Application and Future of Human Organoid for Toxicological Approach*”) for endorsement for the 2022 Annual meeting

IV. Activities

A. SOT Annual Meeting Activities (e.g., courses, scientific sessions, receptions):

- Stem Cells Specialty Section Reception, Tue, Mar 29, 6:00pm - 7:30pm at the 2022 Annual SOT meeting in San Diego
(Brief overview of the year; announcement of the 2022 Award recipients).

B. 2022 Awards Information:

- 1st place presentation (**Postdoctoral**: “*MeHg Exposure during Development of Human iPSC-Derived Cortical Glutamatergic Cultures Results in a Persistently Altered Genetic and Functional State.*” Abstract 3785, Anke Tukker)
- 2nd place presentation (**Postdoctoral**: “*Engineering Human Neural Organoids to Explore Impaired Neurogenesis Induced by Arsenic.*”, Abstract 3356, Xian Wu)
- 1st place poster (**Graduate Student**: “*Modeling Glut1 Reductions in Alzheimer’s at the Human Blood-Brain Barrier In Vitro Using CRISPR-Cas9 Edited Induced Pluripotent Stem Cells.*” Abstract 3832, Iqra Pervaiz)
- 2nd place poster (**Graduate Student**: “*The Impact of Manganese on Glutamate Excitotoxicity in Alzheimer’s Disease Model.*”, Abstract 3769, Hyunjin Kim)

C. Other Educational Activities Conducted (e.g., webinars, in-person meetings):

Newsletter: Research Highlights, Career Opportunities, Career Development Corner

D. Communication Activities:

1. Newsletter publication frequency: (May 2021)
2. New or significant announcements/blogs: None
3. Highlights of website enhancements: Website changes were finished in 21/22

E. Mentoring Activities:

Newsletter: Research Highlights, Career Opportunities, Career Development Corner

F. (*Regional Chapters only*) Activities Supporting Undergraduate Students: N/A

V. Feedback and Ideas:

A. In what ways is your group fostering and maintaining an inclusive environment? Please give examples of any current practices used to support inclusion in processes such as 1) leadership selection and promotion, 2) award descriptions and selection, and 3) endorsement of proposals for the annual meetings.

All our members are informed regularly about upcoming application deadline fpr e.g., awards, session proposals etc.

B. How might SOT better support your group's activities (perhaps something the Society should be doing that we currently do not do, or do not do effectively, that would be of importance/benefit to the members of your component group?):

Note: If funding is listed, please provide detail on the membership need that the funding would support.

None

C. What is one thing that the Society is currently doing that impacts your component group that should be changed (e.g., stopped, modified, etc.)?

None

D. What changes do your component group anticipate making in the way in which it operates in the coming year?

Organizing a breakfast for students and postdoctoral fellows would help to nurture more involvement of our trainees and provide additional trainings opportunities. Finding additional fundings to support additional awards for established scientist would increase the visibility of the SCSS.