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This is the yearly newsletter of the International Society for Clinical Electrophysiology of Vision (ISCEV), compiled from contributions by members and officers.

*Michael Bach  
ISCEV Director of  
International Communications*

## From the President

Dear friends and colleagues,

It was a genuine pleasure to be in Liverpool last year and to meet so many of you in person after a long hiatus. Tony Fisher's team hosted a top class meeting; from the feedback we solicited, attendees particularly appreciated the quality of the science and the proximity of reasonably priced accommodation. Special thanks go to Richard Smith for his superb organisational skills. I regret that not all ISCEV members were able to travel due to COVID19 or for political reasons, and I hope to see many of you at the Kyoto meeting who were unable to come to Liverpool.

In this Newsletter, your hard-working Board show you how clinical visual electrophysiology is flourishing in all of our geographical regions thanks to the efforts of our Vice-Presidents Laura Frishman, Mineo Kondo and Dorothy Thompson. Our journal is thriving under Daphne McCulloch's leadership, with an expansion of focus and a new team from Springer. Suresh Viswanathan continues to expand the remit of education, with a 3rd intake to the online technical course to be accepted this year. Tony Robson is guiding our Standards through their necessary cycle of revisions and is steering the new full-field scotopic threshold test (FST) Guideline writing committee. Our members-at-large support ISCEV's activities: for example, Maja Šuštar links with the YSCEV group and, with Kaoru Fujinami, is working on creating our social media team, and Jason McAnany supports the office of the Secretary-General. All the Board contribute helpfully and responsively, for which I am very



grateful. Congratulations to Mineo Kondo on being elected to serve a second term, and thanks also to Laura Frishman for having almost completed two terms on the Board. I'd also like to thank Scott Brodie who continues to run CEVnet, ISCEV's online discussion forum.

My most grateful thanks go to Jan Kremers, Michael Bach and Karen Holopigian who give so much of their time to ISCEV. Our fortnightly online meetings are not only essential to ensure the smooth running of the Society, but also a lovely opportunity to catch up socially.

The Liverpool meeting will perhaps be seen in retrospect as a moment of change for ISCEV, when the first steps began to widen our scope beyond electrophysiology. This broadening of scope has its first tangible results with the new draft Guideline for the FST, a psychophysical test which uses electrophysiological equipment, currently being written by a partnership of ISCEV members and members of the Imaging and Perimetry Society (see Tony's report). The Editorial Board of *Documenta Ophthalmologica* has also recently agreed with Springer a careful extension of its scope (see Daphne's report).

There are good reasons to broaden the scope of ISCEV. Our membership comprises clinicians, scientists, technicians and manufacturers, many of whom are skilled or expert in techniques beyond electrophysiology. Furthermore, ISCEV writes Standards and Guidelines, for which we are globally recognised by colleagues in fields such as eye tracking and pupillometry. Most importantly of all, patient assessment in all areas of health-care is constantly changing, and so must we. By broadening our remit to become invested partners in a diverse battery of clinical evaluations of vision, including electrophysiology, we stand to learn and gain from allied fields. Even patients with the lowest levels of vision will gain from the means routinely to be assessed using standardised, clinical tests. Adding the authority of an international Standard to a test facilitates its wider use as an end point in clinical trials, enabling more meaningful assessment of therapeutics.

None of this can or will be undertaken without the approval of the membership. ISCEV's scope should expand test by test, in partnership with willing and appropriate scientific or clinical societies and with the approval of ISCEV's membership. Electrophysiology will remain the cornerstone of our work and at the heart of everything we do.

My first term as president is almost complete, and as announced by email, I intend to stand for a second term. I sincerely hope that there will be other candidates to provide the membership with a democratic choice. Work remains to be done to meet the five commitments I made in 2020. Progress continues with quicker and easier versions of our tests, providing technical training, understanding member's wishes about our environmental impact and developing harmonised reference data (watch out for a breakfast meeting on this topic in Kyoto). Progress with increasing accessibility to visual electrodiagnostics in developing economies is harder to assess, but the membership testifies to the need: 90 members (about a fifth of our membership) work across 16 developing countries. We will consider what can be done by ISCEV to support and grow electrophysiology in these countries.

Whoever is President for 2024–2028 has a very important task for 2025, namely to appoint a new Secretary-General to succeed Karen Holopigian, who is already halfway through her second term and makes an invaluable contribution to the Society.

We lost two great members of the ISCEV community recently. Professor Yutaka Tazawa, co-organiser of the 1978 meeting in Morioko, former Board member and 2013 Adachi lecturer, died on 8 June 2022. Dr Samuel Jacobson, former ISCEV member and a pioneer of therapies for inherited retinal disease, died on January 4, 2023. We extend our sympathy to their friends and families, and to their ISCEV colleagues. This year, we also celebrate what would have been Professor Eberhard Dodt's 100th birthday, an opportunity for us to renew our thanks to Frau Dodt for the annual Dodt Award for a young scientist.

I am looking forward enormously to our meeting in Kyoto, and thank our hosts, Professor Horiguchi and his team, for their preparations. The last time ISCEV was in Japan was 2003 when Professor Miyake hosted us in Nagoya amidst beautiful cherry blossom. Ten years prior to that, Professor Adachi hosted the meeting in Chiba and inaugurated the ISCEV Olympics. I have every faith that the Kyoto team will rise to the occasion and host a meeting to match..

*Ruth Hamilton, ISCEV President*



# Message from the Secretary-General

Dear ISCEV Community,

In the 2022 ISCEV News Extra, I wrote that I had recently returned from the wonderful ISCEV Symposium in Liverpool. More details were promised, and, indeed, are provided on pages 10, 12 and 13. Finally having the ability to meet face-to-face provided a fantastic opportunity to visit with long-standing ISCEV friends and colleagues. The first two pictures in this newsletter were taken at the opening ceremonies and show current ISCEV President Ruth Hamilton and me with the third President of ISCEV, Professor Sven-Erik Nilsson (page 1). The photograph to the right on this page was taken with Frau Elke Dodt, wife of the late Eberhard Dodt, and generous sponsor of the Dodt Award.



Despite the relatively short time since Liverpool, the 60<sup>th</sup> ISCEV Symposium and Courses in Kyoto, Japan, hosted by Professor Masayuki Horiguchi and team, are rapidly approaching (13–18 March). The local team have been working diligently to plan a wonderful meeting in a unique and interesting setting. The meeting will be extremely busy, with over 160 submitted abstracts and full sessions. As well, the abstract proofing team has also been quite busy, ensuring the quality of the final on-line program. I am certain that everyone who attends will find the meeting to be very informative and chock full of information.

One advantage of the annual Symposium is that it helps with our membership numbers; each year, prior to the Symposium, there is a small but reliable uptick in new members joining. I am honored to help them with this process. Typically, many of the new joiners are in the same geographic area as the Symposium; this is advantageous to ISCEV as it helps to keep the geography of the members balanced over time. We always welcome new members but are especially thrilled prior to the annual Symposium. We hope that they are able to attend, meet other ISCEV members and learn a bit about what makes ISCEV so special!

There is another topic that requires a bit of housekeeping, and it is especially relevant at the beginning of the calendar year. At the start of the year, our Director of International Communications sends out a call for dues. As most of you know, that means you should log into the Wild Apricot Home Page and pay your annual dues. If you plan to attend the annual Symposium and want to pay the member rate, you will need to have paid your dues for the current year. Payment of dues in the current year, however, is necessary but not necessarily sufficient. To be a current member, one also must be up to date in one's payments. Unfortunately, these are not one and the same. In the current year, a member whose dues is paid and up to date will receive a message which says: »Your membership renewal at ISCEV to 2024-01-01 has been completed successfully!« If the date is 'to 2023-01-01' or 'to 2022-01-01' or any year lower, your membership is *not current*.

If your message says your membership is completed to a previous year (i.e. you are not current), how did this happen? At some point in the past, you did not pay your annual dues and therefore, you are a year (or more) behind. Perhaps you did not notice. How do you correct this? Please pay until your membership is current; but if extreme, or you are still unclear, please see the Membership Policy located here: [https://iscev.wildapricot.org/resources/Documents/ISCEV\\_Membership\\_Policy-2021.pdf](https://iscev.wildapricot.org/resources/Documents/ISCEV_Membership_Policy-2021.pdf). Please ensure you are paid in full, so you may enjoy the advantages that full membership will allow you. I sincerely hope that one of the advantages will be to attend the 2023 Symposium in Kyoto and I look forward to seeing you all there.

## Travel Grants

Five travel grants were awarded to young electrophysiologists to help defray the cost of attending the Symposium; some of this funding derived from extra monies from the Dawson award, donated by Judyth Dawson. The travel grant winners were from various electrophysiology laboratories from around the world.

## 2022 Liverpool Honored Guests

We were fortunate to have many esteemed colleagues join the 2022 ISCEV Symposium in Liverpool. Among these esteemed colleagues was a previous president of ISCEV, Professor Sven Erik Nilsson, who gave an extremely entertaining and informative lecture on “The early days of visual electrophysiology and the foundation of ISCERG/ISCEV”. As well, Professor Nilsson entertained throughout the meeting, attending many scientific sessions and asking insightful questions, sharing entertaining stories during the final banquet as well as singing and dancing the night away. Below he is pictured (far left) with other past Presidents of ISCEV, Professor Eberhard Zrenner, Professor Michael Bach, Professor Patrizia Tormene and current ISCEV President, Dr. Ruth Hamilton, all at the 2022 ISCEV Opening Ceremony.

With my best regards

*Karen Holopigian, ISCEV Secretary-General*





# Young ISCEV

Hello to all!

It was so wonderful being able to see each other in person once again at the meeting in Liverpool. The last several years have shown that remote meetings can be useful and rewarding, but that there is no easy substitute for gathering together as colleagues and as friends.

Many of us have been attending these meetings for many years (decades!) and have come to know each other quite well, and the value that comes of these long-term relationships – the ideas, the collaborations, the friendships – cannot be overstated. It is the goal of YSCEV to help nurture these relationships in the newer generation of attendees. We wish to introduce the newer attendees to each other, to the old guard, and to begin to foster these relationships and build the foundation for future collaboration.

This year we had a very well-attended YSCEV session at the Liverpool meeting. We discussed putting together periodic meetings for YSCEV members to showcase interesting cases, electrophysiological or scientific findings, swap career advice, or anything else that came to mind. We were looking to find ways to stay in touch, to learn from each other, to motivate each other, and to potentially work together on joint research projects. We are happy to report that we did have a meeting in November with 17 attendees. We are hoping to host another meeting in the not-too-distant future!

YSCEV has a small but somewhat active presence on Facebook, which you can find here: <https://www.facebook.com/groups/1640824466185400>. If you'd like to be on the mailing list for future meetings, please let Natalie know at [natalie@diagnosysllc.com](mailto:natalie@diagnosysllc.com).

We look forward to seeing you in Kyoto!

*Natalie Doran and Lucia Ambrosio*



## Report of the Director of Education

The ISCEV course in Liverpool, UK was held on 1–2 August 2022. It was very refreshing to go back to the in person course format that witnessed lively engagement of the attendees. Twenty-five individuals enrolled in the human course and 5 in the animal course. The course this year will be held on the 13–14 March 2023 in conjunction with the 60th ISCEV Annual Symposium in Kyoto, Japan. The Kyoto International Conference Center will be the course venue. The course will comprise of lectures and practical demonstrations by 14 faculty members representing 8 different countries. As in previous years the clinical and preclinical courses will run in parallel with multiple joint sessions.

The Visual Electrophysiology for Technicians course created by ISCEV members Professor John Grigg (University of Sydney) and Dr Dorothy Thompson (University



College London) was held for the 2<sup>nd</sup> time in September 2022. Thirty participants from Australia, New Zealand, Europe and UK, US and Canada, Africa, Middle East, and Asia successfully completed the course in 2022. The other participating faculty included Drs. Arlene Drack, Ajay Vincent, Anne Georgiou, Anu Tumber, Oliver Marmoy, Paul Constable, Wanda Pfeiffer and course organizers Ms. Jessica Nilsson and Rebecca Stoop. The 3<sup>rd</sup> course will take place 29 May to 9 July 2023. Please join their mailing list (<https://signup.e2ma.net/signup/1970133/1924607/>) to receive email updates on when registrations open for the next Visual Electrophysiology for Technicians course.

ISCEV members Dr. Mitchell Brigell and Prof. Laura Frishman are the joint organizers of an ARVO pre-meeting educational course on the “Use of Electrophysiologic Techniques in Vision Research” (<https://arvo.ap-p.box.com/s/957accflg0dt7jvjhrkp8qyce4os3qeb>). The one-day course will be held on 22 April 2023 at the Ernest N. Morial Convention Center, New Orleans, Louisiana, USA. The talks will cover the application of electrophysiological techniques for preclinical and clinical research. The course faculty includes Drs. Vladimir Kefalov, Jay Neitz, Anthony Robson, Neal Peachey, David Birch, Arlene Drack, Mabelle Pardue, Jason McAnany, Bang Bui and Suresh Viswanathan.

The guidelines for ISCEV approval of regional courses can be found in the ISCEV web page (<https://is-cev.wildapricot.org/resources/Documents/news/ISCEV-Newsletter-1997.html#anchor453848>). The applicants must allow sufficient time for the committee to review the request for ISCEV endorsement.

*Suresh Viswanathan, ISCEV Director of Education*

## Report of the Director of Standards

The on-line standards sessions in 2021 highlighted strong support to develop a guideline for the full-field sensitivity test (FST), in collaboration with the Imaging and Perimetry Society (IPS) and led by Jasleen Jolly on behalf of ISCEV. Jasleen summarised progress at the ISCEV symposium in August 2022 and there will be a further update in Kyoto, with the aim of preparing a draft for membership review after the meeting. This is the first time the Society has developed a guideline for a method not directly related to visual electrophysiology, likely to be of interest to a wider scientific community including those working on clinical trials or towards therapeutic interventions for inherited retinal dystrophies. Our Society is well recognized for its long experience and success in publishing International standards for electrophysiology, but the FST guideline sets a precedent, and ISCEV is well placed to facilitate convergence and standardization of other non-electrophysiological methods and protocols related to vision, subject to your support and our usual rigorous review processes.



The ISCEV guideline for calibration and verification, last revised 20 years ago, is nearing completion with the aim of publication early in 2023. This guideline has been reviewed and discussed at several recent ISCEV symposia and standards sessions, and I am grateful to the committee and to Daphne McCulloch, for presenting the update in Liverpool last year and for steering this important guideline towards publication.

Although not as old as the guideline for calibration, the ISCEV standard for pattern ERG was last published in 2012 and a revision is long overdue. This standard is currently being updated by a team led by Dorothy Thompson, including Michael Bach, Maja Sustar Habjan, Jason McAnany, Suresh Viswanathan and Anthony Robson. It is planned to discuss the standard at the forthcoming standards session in Kyoto, with a view to posting a draft for further membership feedback soon afterwards.

As always, I welcome your suggestions and thoughts regarding the ISCEV standards, guidelines and extended protocols and thank you for your valuable participation and contributions and continued support.

*Anthony Robson, ISCEV Director of Standards*



# Editor-in-Chief, Documenta Ophthalmologica

Dear ISCEV members, Colleagues and Friends

I have enjoyed my first year as Editor-in-Chief of DOOP; it is so interesting to be the first to peruse submissions and see the peer review process in action. My unofficial tallies show that our journal is stable. Counting new submissions within the scope of DOOP gives 52 for 2022, versus 48 in 2021; no doubt a non-significant change. However, other metrics show that stability may not be enough to maintain the influence of our niche journal, in the context of rapid expansion in scientific publishing. Our 2-year impact factor of 1.854 gives us a rank of only 50<sup>th</sup> of the 62 indexed ophthalmology journals. We fare somewhat better with our 5-year impact factor of 2.39 (40/62) and an immediacy index of 0.58 (32/62). This year, the Editorial board undertook a review of the scope of the journal, to encourage more high-quality submissions and to better reflect the interests of our contributors and readers.



As the official journal of ISCEV, DOOP reflects the expertise and interests of the ISCEV membership. Its scope was previously defined as content that, “promotes the understanding and application of clinical electrophysiology of vision” which was interpreted as limiting publications to those that report clinical electrodiagnostic techniques in humans or animal models. However, our underlying goal is to improve knowledge of the neurophysiology and pathophysiology of vision, which is not limited to the application of clinical electrophysiologic tests. The outcome of our review was a modest re-definition of the scope of the journal, to reflect our scientific goal as follows:

The aim of Documenta Ophthalmologica is to promote the understanding of the clinical physiology and pathophysiology of the retina and visual pathways. The scope of the journal encompasses the understanding and evaluation of visual function in the retina and/or central nervous system in humans and animals in health and in disease. Documenta Ophthalmologica will publish reviews, original research articles, technical notes, brief reports, and case studies that focus on clinical and preclinical evaluations of vision.

With this revised definition, our focus on clinical electrophysiology remains but submissions may also include relevant psychophysical evaluations, such as full-field stimulus threshold (FST) testing, or physiological evaluations such as pupillography. As always, the scope of any special issues are specified by invited guest editors and may reflect broader interests.

A clear, balanced scope is critical to a scientific journal: too broad and the expertise becomes diluted, too narrow and the journal becomes an echo chamber that fails to engage the wider medical and scientific community. I hope we have achieved a balance. In the coming months we will be promoting our new scope. Please let your colleagues know and consider the expanded scope of DOOP when you consider where to publish.

*Daphne L McCulloch, Professor, Editor-In-Chief Documenta Ophthalmologica*

## Director of International Communications

Dear friends and colleagues:

To prepare for my succession, I’m regularly adding to a list of duties in the function I’m serving. Of high rank are, of course, the Newsletters (for instance, right now), website updates, event updates et cetera. The nicest parts are interactions with you, even if on such stodgy issues like dues. An interesting recent hurdle arose there: Our membership database and website is run by a company “Wild Apricot” [which will probably rename itself to “Personify”, a clear improvement IMHO]. Another improvement well meant by them: to fend off bot spamming attempts, they added a “CAPTCHA” = “Completely Automated Public Turing test to tell Computers and Humans Apart” at the login page. This is not only a vexing nuisance (“click images



containing a taxi”) but caused our Chinese colleagues major headaches: It uses Google services, which are blocked in that country; so it didn't work but also didn't offer any useful error message. It took me a while to get to the bottom of it, only to find that, while CAPTCHAs can be customised on some pages, they cannot be switched off at the login page. So I had to contact their customer support, and indeed after several days they switched it off. One problem solved...

Till our next meeting, all the best,

*Michael Bach, ISCEV Director of International Communications*

# Treasurer's Report

Dear ISCEV colleagues,

2022 has been a challenging year in many aspects. 2022 was also the first year where I had full access to the ISCEV accounts. Finally, I familiarized myself with all procedures and things are now “up and running” from my side.

The attached report shows that our society is still in a healthy financial state and we hope to keep it that way. Of course the assets belong to the membership and we hope to be of service as much as possible. A new instrument for supporting members has been installed: ISCEV Non-Institutionally Supported (NIS) Grants. Any member not eligible for a travel grant and unable to access any/adequate institutional funding may apply. We hope to be able to follow up on this in the coming years.

Looking forward to seeing the colleagues and friends in Kyoto.



*Jan Kremers, ISCEV Treasurer*

Treasurers Report	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>Income</b>											
Membership dues via bank account	28,903.42	29,400.00	29,000.00	30,322.31	29,805.49	23,338.47	26,552.40	428.03	189.01	1,200.54	330.05
Membership dues via PP EUR	0.00	0.00	0.00	0.00	0.00	2,057.14 €	5,150.14	24,506.69	1,298.44	120.56	0.00
Membership dues via PP USD	0.00	0.00	0.00	0.00	0.00	\$27.64	\$82.78	\$1,279.42	\$28,430.66	\$30,525.00	\$24,750.00
Symposium income through treasurers office	0.00	44,069.97	120,532.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bank account interests EUR	111.99	1,289.84	728.72	534.85	43.04	150.26	0.00	0.00	0.00	0.00	0.00
Bank account interests USD				\$3.95	\$0.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Publisher DOOP payment	13,409.00	15,549.58	7,108.81	6,448.87	22,927.89	16,505.53	17,030.22	16,449.01	23,998.77	19,078.00	19,039.73
Symposium return (income & returned pre-financii	5,000.00	0.00	0.00	6,504.45	0.00	0.00	\$6,185.60	\$0.00	\$0.00	\$0.00	\$0.00
Dawson Lecture USD (2016 via Symposium organ.)			\$4,800.00	\$4,785.00	\$0.00	\$4,800.00					
<b>Income EUR</b>			157,370.05	43,810.48	52,776.42	42,051.40	48,732.76	41,383.73	25,486.22	20,399.10	19,369.78
<b>Income USD</b>			\$4,800.00	\$4,785.00	\$3.95	\$4,827.78	\$6,268.38	\$1,279.42	\$28,430.66	\$30,525.00	\$24,750.00
<b>Income USD in EUR (31.12.XX)</b>			3,531.80	4,395.15	3.75	4,025.50	5,474.57	1,138.88	23,168.98	26,951.26	23,130.84
<b>Total Income (EUR)</b>	<b>47,424.41</b>	<b>90,309.39</b>	<b>160,901.85</b>	<b>48,205.63</b>	<b>52,780.17</b>	<b>46,076.90</b>	<b>54,207.33</b>	<b>42,522.61</b>	<b>48,655.20</b>	<b>47,350.36</b>	<b>42,500.62</b>
Dawson Lecture & TGs \$					\$0.00	\$9,600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Marmor Award \$			\$5,980.00	\$0.00	\$0.82	\$0.03	\$6,000.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Expenditure</b>											
Treasurers office	121.26	1,213.90	0.00	194.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Check handling fees, bank charges EUR	153.41	327.34	516.84	193.19	65.15	129.61	286.43	188.67	75.00	7.33	0.00
Check handling fees, bank charges USD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.94	\$82.78	\$1,279.42	\$1,488.81	\$1,516.76	\$1,100.80
Credit card handling fees	1,564.51	3,686.65	6,504.08	354.56	353.31	334.99	355.81	214.20	124.50	0.00	0.00
Internet services	1,605.26	2,961.71	2,765.46	96.35	691.25	989.14	896.02	1,103.78	880.27	902.01	0.00
Lawyer & Register fees	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,356.41	110.35	66.02	109.50
Accounting	2,501.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Secretary general office / ISCEV board	6,951.50	0.00	0.00	0.00	2,000.00	2,752.48	479.51	0.00	609.83	0.00	2,827.94
Secretary general office / ISCEV board USD			\$1,706.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,598.61
ISCEV Subscriptions DOOP	0.00	52,483.50	31,779.00	28,087.50	19,340.25	3,570.00	63,930.75	29,809.59	33,366.72	19,145.88	22,845.20
Symposium financing	571.79	20,562.82	120,340.20	0.00	47,372.92	0.00	15,000.00	0.00	32,867.05	10,000.00	0.00
Travel grants EUR	5,000.00	4,685.00	8,962.99	5,790.00	5,590.00	5,080.64	3,613.54	0.00	453.60	0.00	1,170.00
Travel grants +marmor award USD							\$6,200.00	\$0.00	\$4,000.00	\$0.00	\$4,260.07
Dawson Lecture (separate Acct. from 2018 on)	3,500.00	3,600.00	3,531.80	0.00	0.00	0.00	\$4,800.00	\$0.00	\$0.00	\$0.00	\$0.00
Lab visits, YSCEV support, local symposia	3,500.00	2,500.00	0.00	0.00	300.00	1,090.00				1,500.00	0.00
<b>Expenditure EUR</b>	<b>25,469.71</b>	<b>92,020.92</b>	<b>174,400.37</b>	<b>36,422.53</b>	<b>75,712.88</b>	<b>13,946.86</b>	<b>84,562.06</b>	<b>32,672.65</b>	<b>68,487.32</b>	<b>31,621.24</b>	<b>26,952.64</b>
<b>Expenditure USD</b>			\$0.00	\$1,706.68	\$0.00	\$36.94	\$11,082.78	\$1,279.42	\$5,488.81	\$1,516.76	\$6,959.48
<b>Expenditure USD in EUR (31.12.XX)</b>			0.00	1,567.63	0.00	30.80	9,679.28	1,138.88	4,472.99	1,339.18	6,504.19
<b>Total Expenditure</b>	<b>25,469.71</b>	<b>92,020.92</b>	<b>174,400.37</b>	<b>37,990.16</b>	<b>75,712.88</b>	<b>13,977.66</b>	<b>94,241.34</b>	<b>33,811.53</b>	<b>72,960.31</b>	<b>32,960.42</b>	<b>33,456.83</b>
Dawson Lecture & TGs \$			\$500.00	\$1,000.00	\$0.00	\$0.00	\$5,222.42	\$0.00	\$0.00	\$0.00	\$1,238.32
Marmor Award \$			\$500.00	\$1,000.00	\$0.00	\$0.00	\$5,018.41	\$0.00	\$0.00	\$0.00	\$3,062.71
<b>Balance</b>											
Total Income - Total Expenditure EUR	21,954.70	-1,711.53	-17,030.32	7,387.95	-22,936.46	28,104.54	-35,829.30	8,711.08	-43,001.10	-11,222.14	-7,582.86
Total Income - Total Expenditure USD			\$4,800.00	\$3,078.32	\$3.95	\$4,790.84	-\$4,814.40	\$0.00	\$22,941.85	\$29,008.24	\$17,790.52
Internal account transfer EUR										47,783.04	0.00
Internal account transfer USD										-\$58,053.09	\$0.00
Income - Expenditure Dawson Lecture & TGs USD						\$0.00	\$4,377.58	\$0.00	\$0.00	\$0.00	-\$1,238.32
Income - Expenditure Marmor Award USD			\$5,480.00	-\$1,000.00	\$0.82	\$0.03	\$981.59	\$0.00	\$0.00	\$0.00	-\$3,062.71
<b>Assets (as of 31.12.XX)</b>				<b>1.0887</b>	<b>1.0541</b>	<b>1.1993</b>	<b>1.1450</b>	<b>1.1234</b>	<b>1.2271</b>	<b>1.1326</b>	<b>1.0700</b>
USD Accounts			\$18,416.46	\$21,494.78	\$21,498.73	\$72,801.60	\$67,987.20	\$67,987.20	\$90,929.05	\$61,884.20	\$79,674.72
USD Accounts in EUR	7,871.62	11,101.87	15,220.89	19,743.53	20,395.34	60,703.41	59,377.47	60,519.14	74,100.77	54,639.06	74,462.36
EURO Accounts	23,127.03	33,393.44	38,693.08	98,057.71	75,121.25	103,225.79	67,396.49	76,107.57	33,106.47	69,667.37	62,084.51
Deposit (terminated 2017@ value \$ 46,512.03 US	109,917.72	102,507.97	87,700.00	41,787.70	43,551.04	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Assets</b>	<b>140,916.37</b>	<b>147,003.28</b>	<b>141,613.97</b>	<b>159,588.94</b>	<b>139,067.63</b>	<b>163,929.20</b>	<b>126,773.96</b>	<b>136,626.71</b>	<b>107,207.24</b>	<b>124,306.43</b>	<b>136,546.87</b>
Dawson Lecture & TGs USD Account \$						\$0.00	\$4,377.58	\$4,377.58	\$4,377.58	\$4,377.58	\$3,139.26
Marmor Award USD Account \$			\$5,480.00	\$4,480.00	\$4,480.82	\$4,480.85	\$5,462.44	\$5,462.44	\$5,462.44	\$5,462.44	\$2,399.73



# Vice-President Americas

Dear ISCEV Members,

We are looking forward to the annual meeting of ISCEV in Kyoto Japan, which is only about six weeks from the time that I am writing this report from the Americas. This year the ISCEV meeting precedes ARVO, which will take place soon after on April 23 to 27, in New Orleans, Louisiana. It was decided, several years ago by the ISCEV board, that every third year, instead of organizing an ISCEV@ARVO meeting, ISCEV in the Americas would propose an “ARVO Education Course” to take place on the Saturday before ARVO. Accordingly, with a little delay due to COVID-19, Mitch Brigell planned a full day course entitled, “The use of electrophysiologic techniques in vision research.” I am happy to report that this course has been approved by ARVO, and will take place on Saturday April 22 in the New Orleans Ernest N. Morial Convention Center. Several members of ISCEV, as well as other vision scientists who use electrophysiology in their research, will participate in the course, which has the following agenda:



<https://arvo.app.box.com/s/957accflg0dt7vjhrkp8qyce4os3qeb>.

I hope to see many of you at the ISCEV symposium in Kyoto and/or at some point at the ARVO in New Orleans. We also are looking forward to the next ISCEV in the Americas, in Estérel, Québec, Canada in September 2024.

Sincerely,

*Laura Frishman, ISCEV Vice President Americas (honored to have served: 2017 – 2023)*

# Vice-President Asia & Australasia

Dear ISCEV colleagues,

We are now rapidly preparing for the 60<sup>th</sup> ISCEV Symposium to be held in Kyoto on 15–18 March 2023. The abstract submissions were closed on January 12<sup>th</sup>, and over 160 abstracts have been received. This number of abstracts has exceeded our expectations, and all Program Committee Members, including Professor Masayuki Horiguchi, President of the JSCEV, were very pleased.

March is the most beautiful month in Kyoto, and the ISCEV tour scheduled for the afternoon of March 17 will include visits to Kinkakuji Temple and Nijo Castle. Please watch for more information on the academic programs and social events which will be posted on our website at <https://convention.jtbcom.co.jp/iscev2023/>. If you have any questions, please write me.



The COVID-19 infections are under good control in Japan, but we recommend that you wear a mask indoors. We apologize for any inconvenience this may cause. The members of local organizing committee will do their best to ensure the success of the ISCEV Symposium at Kyoto until last day. Finally, we would like to thank everyone who has been involved in the preparations for the symposium including ISCEV President Dr. Ruth Hamilton, Secretary General Dr. Karen Holopigian, Course Director Dr. Suresh Viswanathan, and the Scott & Paul team for editing the abstracts.

Thank you and see you soon.

*Mineo Kondo, ISCEV Vice President Asia & Australasia*

# Vice-President UK, Europe & Africa

The 2022 ISCEV Symposium in Liverpool was co-hosted by BriSCEV. BriSCEV shared some of their sessions with ISCEV course participants, including small group case peer discussion led by Joanne Cowe. This was greatly enjoyed and may feature in future ISCEV meetings! BriSCEV will host their next meeting in Nottingham 18 and 19 Sept 2023. Please come and join us!

I'm delighted also to see the geographic uptake of the ISCEV technical 6 week on-line course. Information is bite size with lively discussion boards. The next dates are 29 May to 9 July 2023.

Please join [our mailing list](#) to receive email updates on when registrations open for the next Visual Electrophysiology for Technicians course.

And check out the Director of Educations report.

ISCEV have been invited to provide some educational courses at European meetings 2023. European members presented two very strong invitations to host the 2025 meeting. This will be hosted in the Netherlands by the Bartimeus team led by Prof. Mies van Genderen. Mr Richard Smith will be the 2025 symposium co-ordinator imparting his experience and knowledge of leading the Liverpool meeting.

We are looking forward to an interesting year ahead.



## Reflections on the 59<sup>th</sup> ISCEV Symposium held in Liverpool

After months of uncertainty, contingency plans A through to Z, the BriSCEV and Liverpool symposium team, led by Richard Smith, hosted an exceptional cavalcade of great science, complemented by excellent networking opportunities and imaginative social events in the friendly city seascape of Liverpool, UK. All participants were eager to again meet ISCEV friends and colleagues in person after two years of restrictions. Though sadly, some of our friends from Asia were unable to travel because of Covid restrictions.

One hundred and fifty eight participants enjoyed 45 oral presentations and 30 posters and three invited lectures, and presentations from five on-site exhibitors. We enjoyed Arvind Chandler's invited Dawson lecture. We cried and laughed along with Mitch Brigell's Adachi lecture. We relaxed and mingled in the spacious purpose built conference centre, the 'Education Hub' of the University of Liverpool with its UV air filtration system explained by Prof Tony Fisher in his welcome address. The meeting was facilitated by the smiling and efficient University of Liverpool Conference team led by Nicola Gilmore, for whom nothing was too much trouble. We also enjoyed the proximity of University campus accommodation to the venue and the easy walking through the City to social events.

We delighted in a series of varied social events that ranged from the stunning collections of contemporary and Tudor art in the Walker art gallery, a Civic reception hosted by the Lord Mayor of Liverpool, Cllr Roy Gladden on the Liverpool Town Hall balcony overlooking the City (see pictures on pages 1, 2 and 3), to the Mersey Ferry with a live band and even livelier dancing, all thanks to the excellent social programme organization by Gillian Ruddock. The traditional ISCEV Olympics were held in Abercrombie Square in beautiful sunshine, hot for Liverpool, cooler for Australian colleagues! Abercrombie square is a formal quadrangle edged with flowers around a Victorian bandstand at its centre. A traditional English summer tea of scones with jam and cream, with champagne, was served on the beautiful green lawns that were transformed variously into a race track and football field. Spectators and 'athletes' took part with fervour in the 'horse race' and football tournament, two passions of the city of Liverpool, though in this case using the Colin Barber rule book! Keen scrutineers Lizzie and John Hamilton, guided by Karen Holopigian, provided an objective photographic record of the proceedings. At the gala dinner we were able to review some exceptional individual Olympic performances from our elite ISCEV athletes. The results were presented impartially by Richard Hagan. In the interests of transparency Richard provided photos for objective rule checking and captured an engaging intervention from the youngest Japanese delegate who distracted the referee with some well-argued points of fairness. After some adjustments the Olympic scores were equal and a tie breaker of spirited singing was necessary. This was judged by the ISCEV executive board in the moment and the winners were UKAustralasia!



The Dodt award celebrated its 25<sup>th</sup> year in Liverpool. Richard Smith thanked Frau Dodt for her tireless fund raising for this prestigious young scientist award and presented her with a book of photos and reminiscences from all 25 recipients who described the impact of the award on their careers. In addition we were treated to a 'Presidential session' with presentations by past presidents chaired by Ruth Hamilton ISCEV current president. This included an invited talk by Professor Sven Erikson past, past, past, past president. Prof. Erikson gave a fascinating and amusing account of his important work on the RPE work and the history of the society from his 90 year perspective, this is available at <https://iscev.wildapricot.org/misc#miscVideoLectureNilsson> along with the other invited talks. Prof Erikson then continued his pedagogy by showing remarkable energy on the dance floor of the Mersey Ferry!

Professor Adachi, who instigated the Olympics and generously supports the Adachi award lecture, requested that ISCEV delegates at Liverpool sing renditions of John Lennon and Yoko Ono's 'Imagine'. I can report the ISCEV family achieved this with great style!

Thank you to everyone who attended, gave your all and contributed to the great success of the meeting and its warm afterglow.

*Dorothy Thompson, ISCEV Vice President Europe and Africa*

## The Emiko Adachi Award & Lecture

The Emiko Adachi Award has been generously endowed by Professor Emiko Adachi since her retirement from the Department of Ophthalmology at Chiba University in Japan. The award criteria are: the recipient shall be a member of ISCEV, have a record of outstanding service to ISCEV over a long period and shall have made a significant scientific contribution to clinical electrophysiology of vision.

The Emiko Adachi Award was presented in 2019 to two well deserving ISCEV members, Dr. Mitchell Brigell and Professor Pierre Lachapelle. The lectures following the award presentations were delayed, and the first award lecture was presented at the 59<sup>th</sup> Annual Symposium in Liverpool by Dr. Mitch Brigell. Dr. Brigell was introduced by Dr. Karen Holopigian, ISCEV Secretary-General. Shown is a photograph of Dr. Brigell with Dr. Ruth Hamilton, ISCEV President and Dr. Karen Holopigian. Professor Pierre Lachapelle will present his award lecture at the 60<sup>th</sup> Annual Symposium in Kyoto in March, 2023.



## The William W. Dawson Memorial Award

The William W. Dawson Memorial Award and lecture is made possible by a generous endowment in the memory of Dr. William Woodson Dawson by his widow, Judyth Dawson. The endowment is funded by the proceeds from the trademark of the Dawson-Trick-Litzkow (DTL) corneal electrode, widely used in electrophysiology.

The William Dawson Memorial Lecture in Liverpool was presented by Mr. Arvind Chandna from Smith Kettlewell Eye Research Institute, San Francisco, CA, USA. His talk was entitled: 'Probing visual function in children using steady state sweep VEP'. This was the eleventh Dawson memorial lecture. Mr. Chandna was introduced by Dr. Richard Hagan. Shown in the photograph is Mr. Chandna with Dr. Ruth Hamilton, ISCEV President, and Dr. Richard Hagan.



# The Eberhard Dodt Award



The Eberhard Dodt Award is an award presented each year to celebrate the life of Eberhard Dodt, a luminary in clinical electrophysiology, who supported many young researchers. The Dodt award is presented to a young scientist (younger than 35 years of age at the opening of the annual Symposium) working in the field of clinical electrophysiology of vision. The Dodt Adjudication Panel selects the scientist the committee feels has made the best presentation at the annual Symposium; often there are many outstanding eligible presentations.

In 2022, the 26<sup>th</sup> annual Dodt award was presented to Xiaofan Jiang from the United Kingdom. Xiaofan's winning presentation was entitled: 'Exploring longitudinal changes in flicker ERG peak times with age in an adult cohort'. Xiaofan is shown accepting the award from Frau Dodt, who made the presentation on behalf of her late husband, Eberhard Dodt.

## The Eberhard Dodt Award 25-year Commemoration



As a tribute to the 25 years of Eberhard Dodt Awards (the 25<sup>th</sup> Dodt award was presented in in 2020 during the virtual ISCEV Symposium), Mr. Richard Smith collected statements from each recipient of a Dodt Award and how winning this award

impacted their careers. These statements and photographs of the recipients were collated into an illustrated book by Richard Smith and presented to Frau Dodt at the 2022 Liverpool Symposium.

The photograph on the right shows the presentation by Richard Smith and Dr. Ruth Hamilton to Frau Dodt. The photograph above shows all the previous Dodt Award winners that attended the 2022 Liverpool Symposium.



## When ISCEV came to Liverpool in 2022 ...

It was such a pleasure to welcome ISCEV delegates to the 2022 ISCEV Symposium in Liverpool. A week of great science and social reverie. Great Science? Yes of course... it was ISCEV. Social Reverie? Yes of course... it was Liverpool.

The organising hosts were The University of Liverpool, The City of Liverpool, The Royal Liverpool University Hospital and BriSCEV, the British chapter of ISCEV. The ISCEV Symposium was segued with the BriSCEV Annual Scientific Meeting.

In a departure from recent ISCEV choice of venues, the Liverpool Symposium was wholly located



on a university campus. Of the 173 delegates, over 100 elected to stay in the on-campus accommodation. In the immediate post-COVID era, international travel was always going to be a challenge for many ISCEV Members and, inevitably and sadly, we missed some colleagues. This was the first in-person meeting for 3 years.

There were many high points in the Symposium programme but notable were Arvind Chandna's Dawson Lecture, Mitchell Brigell's Adachi Lecture and the invited lecture by Sven-Erik Nilsson who took delegates down the memory lanes of 58 previous ISCEV symposia. ISCEV presented Frau Dodt with a bound copy of the portfolio 'The Eberhardt Dodt Award: The first 25 years – in the words of the scientists who received it.'

The social programme was always going to be overtly Liverpool-centric. Evening venues included an early evening reception at the Town Hall as guests of the Lord Mayor, an evening meal at the Walker Art Gallery and the Conference Dinner at the Maritime Museum. A riotous evening on the Mersey River Ferry will undoubtedly feature highly in the Annals of ISCEV Rocks! Sadly, Games Master Colin Barber could not join us this year; however, Richard Hagan stepped up to the plate and organised the mayhem of the ISCEV 2022 Olympics in the most bijou of settings, the Abercrombie Victorian Garden Park.

In closing, I would like to share a recent comment from the University's Conference Office, 'Your delegates were absolutely great, like no other group we have ever hosted at the University. Please let them know they're welcome back anytime'.

With best wishes to you all, on behalf of the ISCEV 2022 Symposium Organising Committee,

*Tony Fisher, Liverpool 14 February 2023*



Your friendly DoIC added two typical Symposium sights: On the left the youngest delegate discusses numbers with our Treasurer Jan Kremers (credit D. Kommanapalli). Above said DoIC discussing deep science with Bruce JW Evans (spouse of Dorothy Thompson, our Vice Pres UK/Europe/Africa).

## Minutes of the 2022 ISCEV Membership Meeting (draft for approval)

The minutes were announced via email, published on our website and can be perused here:  
[https://iscev.wildapricot.org/resources/Documents/minutes/ISCEV\\_MembMins2022.pdf](https://iscev.wildapricot.org/resources/Documents/minutes/ISCEV_MembMins2022.pdf)

Please acquaint yourself with these meeting minutes so you can make an informed decision whether to accept them as a true representation during the upcoming membership meeting on 2023-03-18.

# 2023 Membership Meeting Agenda

1. Opening and President's Welcome
  2. Tasks of the Membership Meeting
  3. Minutes of 2022 Membership Meeting
  4. Report from the 2023 Symposium Host
  5. ISCEV Officers' Reports
  6. Exoneration of the Board
  7. Highlights from the Board of Directors Meeting
  8. Elections
    - Vice-President Americas
    - President
  9. Future Symposia
    - 2024: Estérel, Québec, Canada by Dr. Allison Dorfman and team
    - 2025: Utrecht, Netherlands by Prof. M van Genderen and team
    - 2026: candidate hosts from Asia/Australasia
  10. Other Business
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