Annual Report

2023

International Neuroinformatics Coordinating Facility

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Message from the Directors

During 2023 INCF has continued to cu we worked with Centre for Imaging Research (CIR) to develop a FAIR data management strategy for the Centre, and coordinated training events to facilitate the implementation of FAIR data management practices by researchers. We began promoting fiscal sponsorships as part of our Secretariat Services. These services include providing fiduciary oversight, financial management, reporting, and contract management for projects operated within the scope of INCF's mission. To date this initiative includes activities with MathWorks, Google Summer of Code, and SciCrunch.

We participated in 13 major in-person and virtual meetings, including events in Belgium, France, Iceland, Nigeria, Sweden, Turkey, and the US. In particular, at SfN 2023 the Training and Education Committee held a Professional Development Workshop entitled "Escape from Academia– Alternative Careers: Is there life after the PhD?" The workshop addressed career paths outside of academia in which skills in neuroscience and big data analysis are advantageous. The event was at capacity and the most bookmarked SfN session.

In the fall we hosted a virtual INCF Assembly on the theme "Transparency in FAIR neuroinformatics", which attracted 110 attendees who took part in 16 sessions and 6 training courses. We used the Gather platform again this year, which continued to be well-received for its interactive and intuitive interface. In addition, we hosted the in-person INCF Short Course: Introduction to Neuroinformatics in Seattle, Washington in October. The topics ranged from the theoretical backgrounds to methodological innovations and their field applications, as well as socio-technical issues related to data sharing, applications of neuroinformatics to clinical questions, and compliance with sharing mandates.

Following up on their progress from last year, the CTSI has continued work on the FAIR roadmap for neuroscience, which can be found on the INCF Portal. The SBP committee has a total of 18 standards in the community and expert review phases, and have 10 endorsed standards in their framework. For the 13th year in a row, we participated as a mentoring organization in Google Summer of Code, where we facilitated 22 successful projects overseen by 44 mentors.

Lastly, we have welcomed two new members in 2023: the Montreal Neurological Institute/ Hospital McGill University and CatalystNeuro. We are looking forward to growing even more in 2024.

Helena Ledmyr

Director
Development & Communications

Mathew Abrams

Director
Science & Training

About INCF

Who we are

The mission of INCF network is to promote the uptake of FAIR data management practices in neuroscience through the development of standards and best practices that support open, FAIR, and citable neuroscience. Specifically, the network aims to:

- Provide coordination of global neuroscience infrastructure through the development and endorsement of standards and best practices in support of open and FAIR (Findable Accessable Interoperable Reusable) neuroscience
- Support neuroscience as discipline to move towards FORCE (FAIR, Open, Research-object based, and Citable Ecosystem) through the development of community resources and the provision of training opportunities
- Encourage neuroscience as discipline to move towards FORCE (FAIR, Open, Research-object based, and Citable Ecosystem)
- Promote the advancement and continued development of neuroinformatics as a scientific discipline

Network

The INCF network comprises institutions, organizations, companies, and individuals active in neuroinformatics, neuroscience, data science, technology, and science policy and publishing. The Network is organized in governing bodies and working groups which coordinate various categories of global neuroinformatics activities that guide and oversee the development and endorsement of standards and best practices, as well as provide training on how standards and best practices facilitate reproducibility and enables the publishing of the entirety of research output, including data and code.

Why should you support INCF?

INCF provides a community environment which has developed over the past decade with the engagement of neuroscience, neuroinformatics, and data science researchers, tool developers, and infrastructure developers from academic groups across the globe. This environment has proven conducive to initiating standardization efforts between not just the large brain projects but within the global neuroscience community as a whole.

There is a very real need for coordination of global neuroscience data, which is satisfied by the activities of the INCF network. Standardizing global neuroscience can be done in a cost-effective manner but it cannot be done without support from funding agencies. Support for infrastructures such as INCF is crucial, and granting agencies must allow and encourage grantees to participate in activities such as the INCF network in order to develop and implement data management and data sharing workflows.

The responsibility lies not only on funders: we, the neuroscience community, have as much responsibility for collecting and curating data as we do to ensure data can be effectively shared. Participating in the INCF network is an opportunity to build the capacity that will enable neuroscience teams to take on this data sharing responsibility.

How to support INCF

Donate

Scientific progress is critical for providing our global community with cures and treatments for illnesses that cause pain and disability in so many lives. Neurological diseases are the leading cause of disability and the second leading cause of death worldwide, and mental health issues are increasing every year. While neuroscience has made significant progress in the last couple of decades, there is still much to do. A major barrier is that neuroscience is time-consuming and expensive. One way to remedy this is through the reuse and pooling of data and sharing of tools, which speeds discovery and increases sensitivity to the subtleties of brain function and disease.

INCF's mission is to facilitate this process globally through the vetting and implementation of open science standards and best practices, and ensure impact through efforts in training and advocacy. You can support our efforts by making a donation: incf.org/donate

Fiscal sponsorship

The Secretariat provides fiduciary oversight, financial management, and other administrative services such as reporting and contract management for projects operated within the scope of INCF's mission.

The benefits of fiscal sponsorship through INCF include improved access to funding, increased credibility, and low-cost financial and administrative services, access to INCF platforms for dissemination, community building, and training services, sparing projects the necessity of developing these resources and allowing them to focus on programmatic activities, and support for nascent projects in developing the necessary organizational capabilities to eventually spin off as independent non-profits

Write us into grants

Groups that are planning to submit grant applications to build a neuroscience research infrastructure, tool, or (meta)data standard are encouraged to include an INCF membership in their application. As members of INCF, we facilitate community building, pilot testing, dissemination and training activities, and independent community review of products developed in such projects and networks. If you're interested in joining your project or network to INCF, please contact helena@incf.org for more information.

"I am sending this mail to appreciate you. I recently taught basics of Python to some of my colleagues in a local workshop in my school. Thank you for the teaching aids you provided during the preparation for ABDN workshop late last year."

Anonymous feedback

Attendee, INCF Neuroinformatics Assembly 2022

INCF members

Institutions

Ontario Neuroinformatics Consortium

Companies

INCF Working Group affiliations

FAIR data management

Data management is the process of collecting, validating, organizing, protecting, processing, and maintaining scientific data to ensure the accessibility, reliability, and quality of the data and metadata for its users. FAIR data management ensures that the data and metadata captured is findable, accessible, interoperable and reusable (FAIR) throughout the data lifecycle.

Systematically organized, well annotated data and associated documentation lets researchers and collaborators use data consistently and accurately. Carefully storing and documenting data also allows more people to use the data in the future, potentially leading to more discoveries beyond the initial research.

FAIR roadmap

The FAIR roadmap project is an ambitious project led by the INCF Council for Training, Science, and Infrastructure (CTSI) that aims to provide a global plan for how to move neuroscience towards a more open, FAIR, and citable discipline. The roadmap is a living document that is intended to serve as a framework for identifying the current gaps, challenges, and opportunities in the landscape of open, FAIR, and citable neuroscience, as well as a framework for coordinating community action.

Infrastructure Portfolio

The INCF Infrastructure Portfolio contains an index of neuroscience data repositories and scientific gateways that have been assessed using the criteria for repository and science gateways and associated recommendations (Sci Data, 2022) developed by the INCF Infrastructure Committee in 2020-2021. The portfolio currently consists of 42 approved neuroscientific gateways and repositories.

The purpose of the portfolio is to provide the neuroscience community with guidance in selecting the best infrastructure for your data type, analysis, and sharing needs. The portfolio is intended to help you find the best infrastructure for your particular neuroscience data and as well as to offer more detailed neuroscience field-related metadata (modalities, file format, services offered, etc.) than available in general repository registries.

If you feel a neuroscientific infrastructure is missing, or know of one which could benefit the neuroscience community by addressing particular brain metadata needs, submit an infrastructure here. If you are aware of progress made on one of the repositories or gateways already included in INCF's Infrastructure Portfolio, update an existing infrastructure here.

FAIR principles on TrainingSpace

Open Neuroscience Starter Kit

Research in the neurosciences is becoming ever more demanding of a variety of sophisticated technical skills and computational competence, especially when one factors in the objective of making this science reproducible, open, and FAIR.

In collaboration with the INCF, the Canadian Open Neuroscience Platform (CONP) is assembling a curated set of international content that aims to provide guidance through the increasingly complex landscape of skills and tools required for open neuroscience research. Such initiatives are key to facilitating the acquisition of the skills and knowledge comprising open-science workflows (from 'open-by-design' experimental conception, through reproducible analysis, to safe data sharing). This is a living collection, with many materials to be added and updated still.

The CONP is funded by a Brain Canada Platform Support Grant Competition Award, as well as funds and in-kind support from sponsor organizations. Please visit the CONP and Brain Canada websites linked below for more information.

Introduction to FAIR Neuroscience

This study track is intended for those with a neuroscience background looking to gain a basic understanding of how to implement the FAIR Guiding Principles in their research. Since their introduction in 2016, the FAIR data principles have gained increasing recognition and adoption in global neuroscience. FAIR defines a set of high level principles and practices for making digital objects, including data, software and workflows, Findable, Accessible, Interoperable and Reusable. But FAIR is not a specification; it leaves many of the specifics up to individual scientific disciplines to define. INCF has been leading the way in promoting, defining and implementing FAIR data practices for neuroscience. We have been bringing together researchers, infrastructure providers, industry and publishers through our programs and networks.

This study track includes five courses and two additional lectures, aiming to provide an overview of how to put FAIR principles into practice in a neuroscientific context. Course topics include general perspectives and guiding principles of FAIR, standards and best practices, as well as FAIR approaches for computational neuroscience, neuroimaging research, and electrophysiology.

Standards & Best Practices Portfolio

The Standards and Best Practices portfolio contains all community standards endorsed by the INCF using the criteria developed by the INCF Standards and Best Practices(SBP) Committee, as well as community standards in the process of being endorsed.

The purpose of this portfolio is to provide the community with an index of robust, well-validated standards and best practices that adhere to and support the FAIR principles. The portfolio provides the community with descriptions of appropriate use cases, links to tools/infrastructures, and tutorials for each standard and best practice indexed. Users can search the portfolio by data type, format, or subdomain of neuroscience. By offering this service, we hope to increase the discoverability and use of standards and best practices that support open and FAIR neuroscience.

INCF has implemented a formal procedure for evaluating and endorsing community standards and best practices that support the FAIR principles. Our mission is to make neuroscience more Open and FAIR, to ensure that research funds and efforts are well invested, and that neuroscientific findings are robust and replicable.

FAIR resources and processes need good community standards, but many neuroscience communities lack robust standards or have competing incompatible standards. The rapid development of new techniques also means that there is a continuous need for new and updated standards and that old standards need active developer and user communities to maintain, update, and implement them. By endorsing standards, INCF aims to make it easy to find the best, most reliable standard appropriate for your research, as well as to ensure recognition for community members investing their time and effort in standards.

In the final weeks of 2023, the SBP Committee voted to endorse its latest standard, the Stimulating Peripheral Activity to Relieve Conditions (SPARC) data structure. Financially backed by the NIH Common Fund, SPARC is a large-scale project which aims to deepen our knowledge of nerve-organ interactions. With an initial focus on bioelectronic medicine, the SPARC consortium created the SPARC data structure (SDS), a file and metadata organizational scheme inspired by the Brain Imaging Data Structure (BIDS). This data structure has proven capable of handling complex datasets from multiple and heterogeneous species, measurement techniques, and spatial scales. One of the primary purposes of SDS is to increase the integrity of scientific research by promoting FAIR and open science practices, particularly by facilitating the generation of well-annotated, organized, standardized, and shared biomedical datasets.

With 7 standards currently submitted and under review, 2024 is shaping up to be a productive year for INCF's SBP Committee, and we are eager to evaluate and share some of the exciting tools and resources submitted for consideration, in the hopes of continuing to provide the neuroscience community with high quality recommendations for neuroinformatic solutions and standards based on expert and community review.

Accepted into framework	18
Endorsed	10
Not endorsed	4
Community review phase	18
Expert & community review phase	10

The INCF TrainingSuite

The INCF Training Suite is a collection of open access platforms that aims to facilitate self-guided study in the sub-specialisms of neuroscience with an emphasis on Neuroinformatics. The INCF Training Suite acts as a framework for integrating and making Neuroscience related training materials FAIR and more accessible to the global neuroscience community.

The INCF Training Suite currently consists of TrainingSpace, Neurostars and KnowledgeSpace.

TrainingSpace

TrainingSpace is an online hub that aims to make neuroscience educational materials more accessible to the global neuroscience community developed by the Training and Education Committee. As a hub, TrainingSpace provides users with access to:

- Multimedia educational content from courses, conference lectures, and laboratory exercises from some of the world's leading neuroscience institutes and societies
- Study tracks to facilitate self-guided study
- Tutorials on tools and open science resources for neuroscience research
- A Q&A forum
- A neuroscience encyclopedia that provides users with access to over 1.000.000 publicly available datasets as well as links to literature references and scientific abstracts

15 study tracks, 14 collections, 148 courses, 950 lessons

Topics currently covered in TrainingSpace include: general neuroscience, clinical neuroscience, computational neuroscience, neuroinformatics, computer science, data science, and open science. All courses and conference lectures in TrainingSpace include a general description, topics covered, links to prerequisite courses if applicable, and links to software described in or required for the course, as well as links to the next lecture in the course or more advanced related courses. In addition to providing resources for students and researchers, TrainingSpace also provides resources for instructors, such as laboratory exercises, open science services, and access to publicly available datasets and models.

TrainingSpace	Sessions	Pageviews	Users
Jan - Jun	25 935	33 139	24 990
Jul - Dec	28 683	100 482	24 310
Total	54 618	133 621	49 300

NeuroStars

Neurostars is an open access question and answer site that serves the INCF network and the global neuroscience community as a forum for knowledge exchange between neuroscience researchers at all levels of expertise, as well as software developers and infrastructure providers. Access to Neurostars is free to the neuroscience community thanks to the generous support of our sponsors.

NeuroStars serves as an effective resource for the following levels of the neuroscientific community:

- Individuals in need of sharing ideas, asking questions and finding answers, and helping others within neuroscience without any cost
- Virtual course organizers in need of an archivable Q & A forum to support learning in their courses where access can be restricted to registered participants with automated notifications and the ability to have multiple, linked sub-discussion groups
- Software developers and infrastructure providers in need of a mechanism with which to engage and provide support to user communities and those in need of a platform to integrate tutorials and discussion forums (via INCF TrainingSpace)
- Scientific societies needing a forum for knowledge exchange and support between members.

Neurostars	Sessions	Pageviews	Users
Jan - Jun	124 013	226 609	62 408
Jul - Dec	141 513	606 474	60 878
Total	265 526	833 083	123 286

KnowledgeSpace

KnowledgeSpace is a globally used, data-driven encyclopedia and search engine for the neuroscience community. Descriptions of neuroscience research concepts, publicly available datasets, publications, and much more can be discovered across multiple resources through KnowledgeSpace.

KnowledgeSpace aims to be a globally-used, community-based, data-driven encyclopedia for neuroscience that links brain research concepts to data, models, and the literature that support them. Further it aims to serve as a framework where large-scale neuroscience projects can expose their data to the neuroscience community-at-large. KnowledgeSpace is a framework that combines general descriptions of neuroscience concepts found in wikipedia with more detailed content from NeuroLex. It then integrates the content from those two sources with the latest neuroscience citations found in PubMed and data found in some of the world's leading neuroscience repositories. KnowledgeSpace is a joint development between the Human Brain Project (HBP), the International Neuroinformatics Coordinating Facility (INCF), and the Neuroscience Information Framework (NIF).

Neuroscience repositories with data currently available through KnowledgeSpace include the Allen Institute for Brain Science, Blue Brain Project, Cell Image Library, Channelpedia.net, GENSAT, Human Brain Project, Ion Channel Genealogy, ModelDB, NeuroElectro.org, NeuroMorpho.org, NeuroLex, NIF Integrated Connectivity, Open Source Brain, and PubMed.

KnowledgeSpace	Sessions	Pageviews	Users
Jan - Jun	1 279	3 065	1 002
Jul - Dec	143	894	66
Total	1 422	3 959	1 068

Outreach

The INCF community comes together at the INCF Neuroinformatics Assembly, workshops and meetings, and at various other international conferences in neuroinformatics and neuroscience.

INCF Portal

Users	43 121	+13%
Sessions	53 107	+23%

INCF publications

Newsletter		
Subscribers	1 239	+1%
Open rate	45%	
Member bulletin		
Subscribers	421	+100%
Open rate	54%	

Social media followers

Twitter	5 796	+3%
Mastodon	83	+100%
Bluesky	229	+100%
Facebook	3 824	+4%
LinkedIn	1 706	+14%
YouTube	2 177	+6%

INCF Blog

Total number of posts	23
Total page views	10 927
Users	4 450

International conference activities

INCF-organized sessions	3
Invited talks	9

INCF Portal

The INCF Portal is the main communication channel for the network and is continuosly reviewed and fine-tuned to best serve INCF members and the international neuroinformatics community.

INCF publications

During 2023 the INCF Network has produced 10 publications in peer reviewed journals.

Social media

With the recent change in leadership at Twitter/X leading to a decrease in our visibility on that platform, INCF has expanded our social media channels this year. In addition to Twitter/X, Facebook, YouTube, and LinkedIn, we now have accounts on Mastodon and Bluesky. All channels experienced growth this year, though Twitter/X and Facebook only grew by 3% and 4% respectively.

INCF blog

The INCF community blog is where we collect news, success stories, information about the INCF Assembly, our workshops, and community activities. Community members are encouraged to submit relevant job openings, write guest posts, review and recap events, and suggest content that they would like to see featured on the blog.

Most read posts:

- INCF Short Course: Introduction to Neuroinformatics 2023
- Registration, abstracts, & investigator-led abstracts open for INCF Neuroinformatics Assembly 2023!
- Call for project ideas and mentors for GSoC 2023
- Global survey on data-sharing barriers in neuroscience
- Summer Research Assistant/Associate, Center for Computational Neuroscience (Multiple Positions)

Conference activities

Belgium

Brussles Workshop 14 - Finding consensus on BCI standards: How to proceed?

Jun 8, 2023

The goal of the workshop was to illustrate activities, strategies, and visions from various entities and research groups.

France

Marseille HBP Summit 2023

Mar 28-31, 2023

The Human Brain Project Summit 2023 provides an open forum for hundreds of researchers,

plus policy makers, media and public, to discuss exciting scientific results, the latest developments in the project, and the cutting-edge services and tools available on the EBRAINS Research Infrastructure is a great opportunity to share the latest developments of the Human Brain Project with the community and external audiences

Iceland

Reykjavik NeurotechEU Huntington's Disease: From genetics to therapy

May 15, 2023

NeurotechEU partner university Reykjavik University holds a conference on May 15th, marking International Huntington's Disease (HD) Awareness Day. This conference will explore the latest research and developments in the field of Huntington's disease. Attendees will learn about the genetic development of the disease in Iceland and the potential for therapeutic interventions. They will gain an understanding of the current state of knowledge regarding Huntington's disease and its associated symptoms.

Nigeria

Lagos African Brain Data Network Academy 2023

Nov 27 - Dec 9, 2023

This two-week intensive training program offered participants hands-on and theoretical training in data science and neuroimaging, aiming to bolster participants' understanding of cutting edge approaches to handling large-scale neuroscientific datasets.

Read more on p. 23

Sweden

Stockholm NeurotechEU hackathon

May 31 – Jun 01, 2023

Students and researchers from various European universities gathered at the NeurotechEU Hackathon event hosted at Karolinska Institutet to collaborate and address a complex and multifaceted challenge in the field of mental health. Organised in collaboration with Openlab Stockholm, an innovation centre with a focus on social innovation, the event proved to be a unique opportunity for participants to harness their expertise and creativity to find innovative solutions for challenges in mental health.

Malmö e-IRG Workshop under Swedish EU Precidency

Jun 21-22, 2023

INCF participated in three sessions: *Authentication and Authorisation: Infrastructures coordination in the ERA and beyond*, *Cybersecurity and critical infrastructures*, and *Coordination among generic and thematic infrastructures in the new ERA*.

Turkey

Bodrum NeurotechEU technology and society innovation event

Oct 02-04, 2023

This summit brought together university researchers and institutional and company representatives to discuss the impact of artificial intelligence and robotics on our world. The presentations revealed the results of cooperation between NeurotechEU partner universities,

various industrial institutions, and companies, emphasizing the importance of bridging the gap between science and industry in the field of neurotechnology, and discussing overcoming obstacles that block the transfer of scientific knowledge from universities.

USA

Bethesda, Maryland Catalyzing Communities of Research Rigor Champions

May 23-24, 2024

The goals of this workshop were (A) to identify clear strategies and tactics that help bring change to research institutions towards a stronger emphasis on research rigor and transparency, (B) to empower participants to catalyze communities of rigor champions inspired to bring about these changes, and (C) to facilitate ways for these communities, within U.S. institutions and through inter-institutional networks, to accelerate change.

Columbus, Ohio Big Data Neuroscience Workshop 2023

Sep 14-15, 2023

Organized by the Advanced Computational Neuroscience Network (ACNN), the workshop theme was *Deep phenotyping challenges and solutions: Data standards, representation, and sharing in personalized, precision medicine.* It addressed challenges of data standardization, representation, and sharing in multimodal, multidimensional, multiscale data integration.

San Francisco, California GSoC Mentor Summit 2023

Oct 13-15, 2023

The Google Summer of Code (GSoC) Mentor Summit 2023 had mentors and admins of various open source organizations come together at the Google Moffett Park, CA, USA office. With more than 150 attendees representing diverse organizations, this un-conference-style event was a great way to network, share ideas, and learn from others.

Seattle, Washington INCF Short Course: Introduction to Neuroinformatics

Oct 2-4, 2023

INCF and its Training and Education Council is arranged another instance of the *Introductory Course in Neuroinformatics*, this time on location at the University of Seattle, Washington.

Read more on p. 21

Seattle, Washington SfN 2023

Nov 11-15, 2023

The Training and Education Committee held a Professional Development Workshop entitled Escape from Academia–Alternative Careers: Is there life after the PhD? at the Annual Society for Neuroscience Meeting. The workshop addressed career paths outside of academia in which neuroscience skills, big data analysis, as well as other skills, would be advantageous.

Virtual

Gather Platform INCF Neuroinformatics Assembly 2023

Sep 18-22, 2023

Assembly is the annual gathering of the INCF network and serves as our network's major outreach outlet. This year's theme was *Transparency in FAIR neuroinformatics.*

Read more on p. 19

INCF events

INCF Neuroinformatics Assembly 2023

From September 18-22, INCF virtually hosted Neuroinformatics Assembly 2023. Assembly is the annual gathering of the INCF network and serves as its major outreach outlet for the network. Assembly provides a forum in which the neuroscience community can learn about the latest advancements in neuroinformatics, attend tutorials on the latest tools, methods, and neuroinformatics approaches, and interact with tool developers and infrastructure providers.

Statistics	
Attendees	110
Sessions	16
Courses	6

I just wanted thank you and others in INCF on behalf of the ARTEM-IS team for inviting us to present our workshop at the INCF assembly and organizing the meeting of all Working Groups. Not only that both were great opportunities for us and we have gotten new ideas from them, but we also felt very welcome and pleasant at the entire event, even though it was online.

Anđela Šoškić
Co-chair, ARTEM-IS Working Group

Attendees by country	2023	2021-2023
United States	38%	34%
Germany	15%	13%
Canada	9%	11%
United Kingdom	6%	4%
Norway	5%	5%
Austria	3%	2%
Japan	3%	2%
Netherlands	3%	3%
Sweden	3%	2%
Switzerland	3%	1%
Australia	2%	1%
France	2%	4%
India	2%	4%
Belgium	1%	2%
Italy	1%	2%
Jamaica	1%	0%
Malaysia	1%	1%
Nigeria	1%	0%
Poland	1%	1%

INCF Neuroinformatics Assembly 2023 cont'd

This year's Assembly was themed around "Transparency in FAIR neuroinformatics". The material in this collection therefore catered to two main groups:

- Neuroscience and neuroinformatics researchers interested in learning how to implement FAIR data management and sharing practices in their research, tools, and infrastructures.
- Standards developers, infrastructure providers, and software developers interested in learning about the latest advancements in the state of the art, increasing community adoption of their infrastructures and software, improving their craft, and those dedicated to working collaboratively with the community to develop solutions that support open, FAIR neuroscience.

With a combined total of over 50 lectures, lightning talks, panel discussions, and hands-on tutorials, this year's Assembly thoroughly outlined the current challenges and opportunities facing the neuroscience community as we strive to make neuroscience data more findable, interoperable, accessible, and reusable. In the spirit of open and FAIR neuroscience, all lecture, talk, and discussion recordings have been uploaded to INCF TrainingSpace.

Assembly 2023 began with a lecture by Dr. Maryann Martone (UCSD; Chair, Governing Board, INCF), which broadly described the current neuroinformatic landscape as well as how INCF and its work fits into this context. General topics presented during the conference included FAIR roadmaps for knowledge graphs and ontologies, FAIR sharing, integration, and analysis of neuroscience data, research workflows for collaborative neuroscience, and infrastructure for sensitive data, among several others.

While it is of course necessary and helpful to be aware of the bigger picture and where the field as a whole is moving, most researchers and scientists deal with very particular and domain-specific hurdles to making neuroscience experiments and data FAIR on a day-to-day basis. Therefore, the majority of the other talks, tutorials, and discussions given during Assembly focused on siloed, issue-specific approaches and solutions which have been developed by and for the neuroinformatics community. For example, during Session 6 of Assembly, entitled Research Workflows for Collaborative Neuroscience, we heard talks on cloud neurodata pipelines with the computational reproducibility platform Code Ocean, as well as live demonstrations for other open-source tools like DataJoint and Flyte. Other sessions dealt with domain-specific issues within neuroscience, such as Session 7: Practical Guide to Overcome the Reproducibility Crisis in Small Animal Neuroimaging: Workflows, Tools, and Repositories and Session 9: Event Annotation in Neuroimaging Using HED: From Experiment to Analysis.

We would like to take this opportunity to again thank all of our speakers for their enlightening and inspiring talks, as well as to all those who were in attendance! It is INCF's mission to rally together the neuroinformatics community and motivate researchers and neuroscientists to align their experimental, analytical, and dissemination practices to FAIR science principles, and are therefore proud to be able to organize and host conferences such as this one.

INCF Short Course: Introduction to Neuroinformatics

Neuroscience has entered an exciting new era of big data. New experimental methods are generating large, complex and multidimensional datasets, while data sharing initiatives are providing a broad community of researchers with access to rich datasets of neuroscience data at a range of temporal and spatial scales. As INCF's network includes many dedicated neuroscientists who are pioneering projects and platforms to deal with this enormous amount of disparate and heterogeneous data generated by neuroscientific research, INCF's Training and Education Committee and the West Big Data Hub joined forces and brought together 13 professional researchers to put on a Short Course in Neuroinformatics at the University of Washington from October 2-4, 2023.

The topics taught during the course ranged from the theoretical background of sub-disciplines like neuroimaging and computational neuroscience, to methodological innovations in the field and their applications, as well as socio-technical issues related to data sharing, applications of neuroinformatics to clinical questions, and compliance with sharing mandates.

Speakers

- Maryann Martone, University of California San Diego
- Matthew Glasser, Washington University School of Medicine in St. Louis
- Ariel Rokem, University of Washington
- Ashley Juavinett, University of California, San Diego
- Jack Van Horn, University of Virginia
- Randy Gollub, Massachusetts General Hospital, Harvard Medical School
- Prantik Kundu, Ceretype Neuromedicine, Inc.
- Franco Pestilli, University of Texas at Austin
- Alla Borisyuk, University of Utah
- Yaroslav Halchenko, Dartmouth College, Center for Open Neuroscience
- Dimitri Yatsenko, DataJoint
- Tim Brown, University of Washington
- Juan E. Iglesias, Massachusetts General Hospital, Harvard Medical School
- Jeff Grethe, University of California San Diego, SPARC

INCF events

Short course anonymous feedback

After the Short Course, we distributed a survey. This was the response we received from one of the participants.

What is your domain of expertise?

Medicine (Oncology and Neurology), Clinical Informatics, Clinical Research, and Neuro-Oncology Research.

What interested you in the INCF Short Course in Neuroinformatics in Seattle?

I was interested in attending because the course seemed like a great opportunity to learn about neuroinformatics from established experts and meet and directly engage with other early career professionals with a shared interdisciplinary passion for neuroscience or informatics. I had never visited Seattle or The University of Washington before attending the short course, so this provided an additional reason to want to attend it.

Did you find the Short Course helpful/informative?

Yes, the short course was both helpful and informative. The content, people, and overall experience was fantastic. It was a great opportunity to get a concise and relevant review of neuroinformatics. The course is very helpful for someone who is relatively new to learning about the field and motivated to discover new areas to focus future efforts in neuroinformatics. The talks I found most engaging and interesting (in no specific order) were by: Maryann Martone, Ariel Rokem, Jack Van Horn, Randy Gollub, Prantik Kundu, Franco Pestillo, Alla Borisyuk, Yaroslav Halchenko, and Dimitri Yatsenko.

Would you attend similar activities put on by INCF in the future?

Absolutely. I am already looking forward to the next INCF event.

Any other thoughts or suggestions you would like to share about the course?

Attending the short course was one of the highlights of 2023 for me. The INCF is now more than just a virtual resource for me. For the longest time, my exposure to INCF and the field of neuroinformatics was abstract and limited to a virtual resource (the INCF website), research articles, and YouTube content. I am so happy that I was able to meet, learn from, and discuss.

African Brain Data Science Academy 2023

INCF is proud to have partnered with the African Brain Data Network and The Kavli Foundation to put on the African Brain Data Science (ABDS) Academy in Lagos, Nigeria, from November 27th - December 9th, 2023. This two-week intensive training program offered participants hands-on and theoretical training in data science and neuroimaging, aiming to bolster participants' understanding of cutting edge approaches to handling large-scale neuroscientific datasets. INCF is uniquely and ideally positioned to help coordinate such neuroinformatic initiatives, and we were thrilled to be able to involve some of our own stellar network members in the teaching efforts in Lagos, including Dr. Franco Pestilli, Dr. Petra Ritter, Dr. Ariel Rokem, Dr. Mathew Abrams, and Dr. Ben Dichter. Additionally, to help the ABDS Academy participants prepare for the programming demands of the two-week course, the INCF Secretariat itself taught a virtual introductory Python course, a service we are excited to be able to offer going forward.sharing, applications of neuroinformatics to clinical questions, and compliance with sharing mandates.

Faculty

- Franco Pestilli, University of Texas at Austin
- Ariel Rokem, University of Washington
- Moses Sokunbi, De Montfort University
- Russ Poldrack, Julich Research Center
- Mathew Abrams, INCF
- Melanie Ganz-Benjaminsen, University of Copenhagen
- Karla L. Miller, University of Oxford
- Silke Anders, University of Lübeck
- Lyuba Zehl, Julich Research Center
- Thomas Nichols, University of Oxford.

Teaching assistants

- Fheeraj Bhatiai, University of Texas at Austin
- Azeezat Azeez, Stanford University
- Anibal Heinsfeld, University of Texas at Austin
- Greg Ginnan, INCF

Thank you to the sponsors and partner organizations that helped make these events happen!

Community coordination

The INCF network has formal partnerships with many of the leading neuroscience societies and brain projects. The network also sponsors community-based events related to training and promotion of neuroinformatics.

Current strategic partnerships

InTBIR

INCF continues its partnership with the International Initiative for Traumatic Brain Injury Research (InTBIR), an international network dedicated to improving the health care and lessen the global burden of TBI through the discovery of causal relationships between treatments and clinically meaningful outcomes. INCF currently leads InTBIR's Data Science and Harmonization Working Group.

IBI

The International Brain Initiative is a consortium aiming to coordinate between the large international brain initiatives with the purpose of maximizing reproducibility and minimizing duplication of effort. The current members of the consortium include the U.S. BRAIN Initiative, the E.U. Human Brain Project, the Korea Brain Project, the Japan Brain/MINDS Project, Israel Brain Technologies, and the Australian Brain Alliance. The Consortium is coordinated by the Kavli Foundation, assisted by INCF, IBRO, and the Australian Brain Alliance.

FUN

Faculty for Undergraduate Neuroscience is an international network dedicated to the enhancement of undergraduate participation in neuroscience research, dissemination of innovations and recognition of excellence in undergraduate neuroscience education.

BCI

INCF has joined efforts with other stakeholders to establish a first version for definition of Brain Computer Interface (BCI). Current stakeholders include: the BCI Society, IEEE, and ISO. This represents the first time that INCF as a network had joined forces with other standardization organizations in a standardization effort.

BRIDGE

INCF has partnered with the Brain Research International Data Governance & Exchange (BRIDGE), a project that aims to create responsible and sustainable governance frameworks for data sharing, to support the development of a sustainable global consortium to develop, operate, update and disseminate a robust brain and mental health international data governance framework (IDGF). (https://bridge.incf.org/brain-research-international-data-governance-exchange)

Neurotech

INCF is excited to be collaborating with the European University of Brain and Technology NeurotechEU, an alliance of nine leading universities and over 250 industrial, academic, and societal partners. While the academic community has witnessed a proliferation of graduate neuroscience programs in recent years, there is an increasing need for strategic, interdisciplinary cooperation among institutions and departments to address how several fields, such as medicine, engineering, artificial intelligence, robotics, and the humanities, intersect with and inform advances in neuroscience. NeurotechEU aims to fill that gap by delivering education and training to students of all levels, preparing the next generation of researchers and innovators to be as agile, multidisciplinary, and forward thinking as necessary to tackle Europe's technological and health challenges. INCF is directly contributing to NeurotechEU's mission by developing an online training and education platform called Campus+, modeled after INCF's own TrainingSpace. Currently in the piloting phase, Campus+ offers a comprehensive and growing catalog of courses and modules from the various partners of the NeurotechEU Alliance. These courses will be accredited by alliance partner universities, and students' curricula will be customizable and dynamic, adapting to their individual educational needs. INCF is proud to advise and develop NeurotechEU's Campus+ inventory and interface, with the goal of delivering an educational environment which is as comprehensive, flexible, and innovative as the field of neurotechnology itself.

Fiscal sponsorships

The Secretariat provides fiduciary oversight, financial management, and other administrative services such as reporting and contract management for projects operated within the scope of INCF's mission. Contact the Secretariat for more information about how INCF can provide fiscal sponsorship for your project or initiative: info@incf.org

Our current partners

SciCrunch

INCF provides SciCrunch with financial and administrative services for a funding agency that requires the company to partner with a non-profit. Read more about the project

MathWorks

INCF supports MathWorks in its community building efforts by coordinating MathWorks sponsored working groups and supports MathWorks's capacity building by providing financial and administrative services for a summer coding mentorship program.

Google Summer of Code

INCF serves as an umbrella organization for open source projects within the INCF network by coordinating their participation in the Google Summer of Code Program and by providing financial and administrative support to the projects. This year, 44 mentors oversaw 23 open source project contributors, 22 of whome successfully completed the GSoC program.

Benefits of fiscal sponsorship through INCF

Improved access to funding, increased credibility, and low-cost financial and administrative services

Access to INCF platforms for dissemination, community building, and training services, sparing projects the necessity of developing these resources and allowing them to focus on programmatic activities

Support for nascent projects in developing the necessary organizational capabilities to eventually spin off as independent non-profits.

Consulting

With 15 years of experience in FAIR and citable neuroscience the Secretariat is well equipped to help draft data management plans, evaluate existing or provide guidance on how to design new FAIR tools and infrastructure. Contact us for more information.

During 2023, we worked with Centre for Imaging Research (CIR) to develop a FAIR data management strategy for the Centre and coordinated training events to facilitate the implementation of FAIR data management practices by researchers.

CIR is a joint venture of Karolinska University Hospital, Karolinska Institutet, and Region Stockholm, providing state-of-the-art imaging of all organs and systems in vivo, in humans and various animal models. The centre gathers a unique set of core facilities for structural, functional, and metabolic imaging, with a special focus on translational brain imaging. CIR serves academic, clinical, and industrial users with imaging facilities and services of the highest standard.

Governing Councils and Committees

Governing Board

It is composed of representatives from the Governing Node and observers from the CTSI and European Commission. The GB is responsible for ensuring the financial sustainability of the INCF network and that the activities of the other governing bodies and national nodes align with the mission of INCF.

Members

USA	Maryanne Martone (Chair), University of California San Diego
Canada	Randy McIntosh (Deputy chair), Simon Fraser University
Canada	Jean-Baptiste Poline, McGill University
Germany	Petra Ritter, The Charité Brain Simulation Center
International	Leonid Rubchinsky, OCNS
Sweden	Jeanette Hellgren Kotaleski, Karolinska Institutet
USA	Vijay Iyer, MathWorks
USA	Ariel Rokem, University of Washington (Observer)
European Commission	Mark Goldammer, Andreas Holtel (Observers)

Outgoing chair (2023): Maryann Martone

Dr. Maryann Martone started her career as a neuroanatomist, specializing in light and electron microscopy, but her main research for the past 20 years has focused on neuroinformatics. She led the Neuroscience Information Framework (NIF) and the NIDDK Information Network (dknet), and is a past president of FORCE11. She completed 5 years as Editor-in-Chief of the open acces journal *Brain and Behavior*, and launched *NeuroCommons* - a new journal with BMC - as Editor in Chief.

She has completed two years as the chair of INCF's Council on Training, Science and Infrastructure (CTSI) and 6 years as the chair of the INCF Governing Board. In 2024, Dr. Martone will be stepping down as Governing Board chair, and we thank her for her expertise, dedication, and commitment to open science and neuroinformatics.

Incoming chair (2024): Randy McIntosh

Dr. Anthony (Randy) MacIntosh's research program is geared towards the development of a unified theory of brain operation that emphasizes the integrative capacity of the brain. One tenet of the theory is that cognitive operations emerge from the interactions between brain areas rather than being the sole responsibility of single regions. The program has two related arms: one to do with technical developments to explore brain integration, and the other is the collection of empirical evidence for this integration. He takes an open science approach to all of his research endeavours based on the belief that science is meant to be collaborative, not siloed.

In 2024, Dr. MacIntosh will move from INCF Governing Board deputy chair to chair. We look forward to his fresh perspective for the coming years.

Incoming deputy chair (2024): Petra Ritter

Dr. Petra Ritter studied medicine at the Charité University Medicine Berlin. She spent a large part of her clinical traineeships and practical year abroad in San Diego, New York, and Boston. In 2004, she completed her doctoral thesis at the Charité and in 2010 she received habilitation in Experimental Neurology. After serving as a Max Planck Minerva research group leader for four years, she assumed the lifetime position of BIH Johanna Quandt Professor for Brain Simulation at Berlin Institute of Health (BIH) and Charité Universitätsmedizin Berlin. Since 2017, she has been Director of the Brain Simulation Section at Charité. Dr. Ritter's current research focus on developing brain simulation technology for personalized medicine is based on her previous work about neural oscillations in healthy and pathological brains, multimodal brain imaging with simultaneous EEG-fMRI and brain state dependencies of plasticity and learning.

In 2024, Dr. Ritter will be stepping down as the chair of INCF's Infrastructure Committee and stepping into the role of deputy chair for the Governing Board. We welcome her knowledge and expertise in this new role.

Council for Training, Science, and Infrastructure (CTSI)

The Council for Training, Science and Infrastructure (CTSI) serves as the scientific advisory board to the Governing Board and is responsible for coordinating the networks global neuroinformatics activities that guide and oversee the development and endorsement of standards, best practices, ontologies, and other unifying activities that fulfil the mission of INCF.

Members

Canada	Jean-Baptiste Poline (Chair), McGill University
Canada	Jeanette Hellgren Kotaleski (Deputy chair), Karolinska Institutet
Canada	Kelly Shen, Simon Fraser University
Canada	Samir Das, McGill University
Canada	Brad Buchsbaum, Baycrest Center
Denmark	Cyril Pernet, NRU University of Copenhagen
France	Andrew Davison, CNRS
France	Camille Maumet, INRIA
France	Lisa Otten, L'Institut des Neurosciences Systèmes
Germany	Thomas Wachtler, LMU Munich
Germany	Petra Ritter, The Charité Brain Simulation Center
Germany	Michael Hanke, INM-7 Jülich Forschungzentrum
Germany	Markus Butz-Ostendorf, Biomax Informatics
Malaysia	Ibrahima Faye, University of Teknologi PETRONAS
Norway	Jan G Bjaalie, University of Oslo
Norway	Gaute Einevoll, Norwegian University of Life Sciences
Canada	Jean-Baptiste Poline (Chair), McGill University
Poland	Daniel Wojcik, Nencki Institute of Experimental Biology
Sweden	Arvind Kumar Laure, Royal Institute of Technology
UK	John Pelan, Sainsbury Wellcome Centre
UK	Tibor Auer, School of Psychology, University of Surrey, Guildford
USA	David Kennedy, NITRC
USA	Ariel Rokem, University of Washington eScience Institute
USA	Sharmila Venugopal, OCNS
USA	Carol Thompson, Allen Institute
USA	Vijay Iver, Mathworks
USA	Anita Bandrowski, SciCrunch
USA	Jeff Grethe, SPARC
USA	Aidan Sullivan, MBF Bioscience
USA	Jonathan D Cohen, ModECI
USA	Mukta Phatak, Alzheimer's Disease Data Initiative
USA	Milagros Marin-Alejo, DataJoint
USA	Nick Halper, Neuromatch Academy
USA	Ben Dichter, CatalystNeuro

Outgoing chair (2023): Jean-Baptiste Poline

Dr. Jean-Baptiste (JB) Poline is an Associate Professor in the Department of Neurology and Neurosurgery at McGill, co-Chair of the NeuroHub, Chair of the Technical Steering Committee for the Canadian Open Neuroscience Platform (CONP), co-Director of the McConnell Brain Imaging Centre Neuroinformatics, and a Primary Investigator at the Ludmer Centre for Neuroinformatics and Mental Health. Internationally, Poline is a leader and longtime member of several international organizations guiding neuroimaging and neuroinformatics developments, notably the Organization for Human Brain Mapping (OHBM) and INCF. In addition to chairing the CTSI and membership in the Governing Board, he has been a member of the INCF community since its early days, and founded and led the INCF Task Force for Neuroimaging Datasharing.

In 2024, Dr. Poline will be stepping down as chair of the CTSI. We appreciate all he has done in this role, and we look forward to continuing to work together through the Governing Board in other capacities.

Incoming chair (2024): Satrajit Ghosh

Dr. Satrajit Ghosh received his PhD in Cognitive and Neural Systems from Boston University. He is an assistant professor in the Department of Otolaryngology at Harvard Medical School. He is also the director of Data Models and Integration project of ReproNim, an NIH P41 Center for Reproducible Neuroimaging Computation. In addition, he is a co-editor-in-chief of BMC NeuroCommons, a journal focussed on enhancing the digital Commons for neuroscience through increased data, software, and reproducible results.

In 2024, Dr. Ghosh will join the CTSI as chair. We look forward to his experience in computational neuroscience and welcome his new perspectives.

Industry Advirosy Council (IAC)

The Industry Advisory Council (IAC) serves as an advisory body to the Governing Board and CSTI by providing input on the strategic directions and activities of the network. The IAC also works to increase the link between INCF members working in industry and academia, and promotes INCF within the business sector with interests in neuroinformatics.

Members

USA	Vijay Iyer (Chair), MathWorks
UK	James Barker, F1000
USA	Anita Bandrowski, SciCrunch
USA	Stephen Larson, Metacell
USA	Ben Dichter, CatalystNeuro
USA	Aidan Sullivan, MBF Bioscience
USA	Dimitri Yatsenko, DataJoint

Outgoing chair (2023): Vijay Iyer

Dr. Vijay Iyer is the connection point and advocate for the Neuroscience field at MathWorks (makers of MATLAB). He founded Vidrio Technologies, the makers of ScanImage software for two-photon laser scanning microscopy. With INCF, he also began the MATLAB Community Toolbox Training Projects in 2022 - a mentored, paid initiative for early-career coders to contribute to the MATLAB community toolbox (an open-access MATLAB code repository) which serves neuroscience users and use cases.

In 2024, Vijay will be stepping down as the INCF IAC chair. We thank him for his knowledge and guidance, and look forward to working with him in other capacities.

Incoming chair (2024): Dimitri Yatsenko

Dr. Dimitri Yatsenko currently works at the Department of Neuroscience at Baylor College of Medicine. His current projects are MICrONS, DataJoint, functional connectivity, and neurophotonics. While in his graduate studies at Baylor, he developed the early MATLAB precursor to DataJoint prior to co-founding DataJoint itself. As CEO at DataJoint, he leads a team of scientists and engineers to develop tools for analyzing and managing neuroscience data for advanced collaborative projects.

In 2024, Dr. Yatsenko will step into the chair role of the IAC. He has been a valuable member of the INCF community over the years and we are pleased to have him in this new role.

Infrastructure Committee (IC)

The Infrastructure Committee (IC) serves as an advisory body to the CTSI providing recommendations/policies. The IC also has oversight over infrastructure developed to support the network and maintains a portfolio of activities aimed at promoting the adoption of the FAIR principles by infrastructure providers.

Members

Germany	Petra Ritter (Chair), The Charité Brain Simulation Center
Germany	Thomas Wachtler (Deputy chair), Ludwig Maximilian University of Munich
India	Prasun Roy, Indian Institute of Technology, Varanasi
Norway	Jan Bjaalie, University of Oslo
The Netherlands	Paul Tiesinga, Radboud University
UK	John Pelan, Sainsbury Wellcome Centre
USA	Dimitri Yatsenko, DataJoint

Outgoing chair (2023): Petra Ritter

Dr. Petra Ritter studied medicine at the Charité University Medicine Berlin. She spent a large part of her clinical traineeships and practical year abroad in San Diego, New York, and Boston. In 2004, she completed her doctoral thesis at the Charité and in 2010 she received habilitation in Experimental Neurology. After serving as a Max Planck Minerva research group leader for four years, she assumed the lifetime position of BIH Johanna Quandt Professor for Brain Simulation at Berlin Institute of Health (BIH) and Charité Universitätsmedizin Berlin. Since 2017, she has been Director of the Brain Simulation Section at Charité. Dr. Ritter's current research focus on developing brain simulation technology for personalized medicine is based on her previous work about neural oscillations in healthy and pathological brains, multimodal brain imaging with simultaneous EEG-fMRI and brain state dependencies of plasticity and learning.

In 2024, Dr. Ritter will be stepping down as the chair of INCF's Infrastructure Committee and stepping into the role of deputy chair for the Governing Board. We welcome her knowledge and expertise in this new role.

Incoming chair (2024): Franco Pestilli

Dr. Franco Pestilli, an Associate Professor of Psychology at the University of Texas at Austin, holds a Ph.D. from New York University and a B.A. from the University of Rome La Sapienza. His research spans multiple disciplines such as psychology, computer science, engineering and neuroscience. In Austin, Franco teaches Neuroscience and Data Science. Franco is founder and director of the Advanced Computational Neuroscience Network and brainlife.io. He is currently Chair Elect of the International Brain Initiative Data Governance and Sharing Working Group.

In 2024, Dr. Pestilli will join the IC committee as chair. His experience and connections within the field will be an asset to this role and we look forward to working with him.

Standards and Best Practices Committee

The Standards and best practices (SBP) committee is responsible for coordinating the INCF standards and best practices endorsement scheme and has oversight over working groups funded by the network to develop, harmonize, and/or refine community standards and best practices. Membership on the committee is open to all active, paying members of INCF.

Members

Canada	Samir Das (Chair), McGill University
Canada	Francis Jeanson, Datadex
Czech Republic	Roman Mouček, KIV
Germany	Thomas Wachtler, Ludwig Maximilian University of Munich
Malaysia	Ibrahima Faye, Universiti Teknologi PETRONAS
Norway	Trygve Leergaard, University of Oslo
Sweden	Jeanette Hellgren-Kotaleski, Karolinska Institutet
USA	Chris Fietkiewicz, Hobart and William Smith Colleges
USA	David Kennedy, University of Massachusetts
USA	Kay Robbins, UTSA
USA	Maryanne Martone, University of California San Diego
USA	Sharmila Venugopal, OCNS
USA	Stephen D. Van Hooser, Brandeis University

Training & Education Committee (TEC)

The INCF Training and Education Committee (TEC) serves as the education advisory board to the CTSI and is responsible for developing, hosting, and supporting neuroinformatics training activities throughout the network and in collaboration with other neuroscience societies. Activities of the TEC include: hosting/supporting hackathons, oversight over the network's mentoring program, and maintaining an online repository of neuroinformatics training materials.

Members

USA	Ariel Rokem (Chair), University of Washington eScience Institute
USA	William Grisham (Deputy chair), University of California, Los Angeles/iNeuro Initiative
Ireland	Karen Doyle, University of Galway
Lithuania	Aušra Saudargiene, Neuroscience Institute and Vytautas Magnus University
USA	Franco Pestilli, University of Texas at Austin
USA	Jack Van Horn, University of Virginia/B2K Training Initiative
USA	Milagros Marin-Alejo, DataJoint

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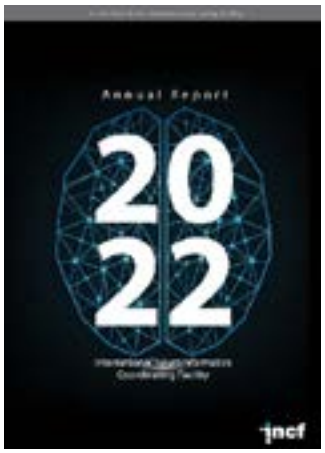
Neuroinformatics Professor
Jeanette Hellgren Kotaleski, Ph.D.

GSoC Coordinator
Arnab Banerjee

Publications

- INCF Annual Report 2022
- INCF Newsletters 1-2
- INCF Member bulletins 1-2
- 10 community publications, see list here



Financial summary

Summary financial report 2023, in kSEK, kUSD and kEUR

	kSEK	kUSD	kEUR
Income			
Platinum Members	1 075	107	97
ORG./Inst. Contributions	1 459	145	131
Industry Contributions	127	13	11
Individual Memberships	28	3	3
INCF Events	103	10	9
Other Income	1 183	118	107
External Projects	853	85	77
Total Income	**4 828**	**481**	**435**
Financial Income	360	36	32
Total Income	**5 188**	**517**	**468**
Expenditure			
General Administration	-5 344	-532	-482
Secretariat Running Expenses	-359	-36	-32
Governance	0	0	0
Training & Education	-430	-43	-39
INCF Products	-24	-2	-2
Community Engagement	-280	-28	-25
External Projects	-1 807	-180	-163
Total expenditure	-8 245	-821	-743
Financial Costs	-163	-16	-15
Change in Vacation debt	4	0	0
Total Costs	-8 404	-837	-757
Change in capital according to Income Statement	-3 216	-320	-290

Financial contributions

In addition to its members under the new membership model, INCF is financially supported by its host country to sustain coordination activities around global development of neuroinformatics.

Sweden
Financial contribution provided by The Swedish Research Council

Vetenskapsrådet

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