

Signals+

THE INTERNATIONAL CYTOKINE & INTERFERON SOCIETY NEWSLETTER

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SEPTEMBER 2022 | VOLUME 10 | NO. 2



A NOTE FROM THE ICIS PRESIDENT Christopher Hunter

As we prepare for our annual scientific meeting in Hawaii, it is important to recognize the efforts of the organizing committee, chaired by James Turkson (Cedars Sinai Medical Center), to assemble a diverse scientific program with cutting edge research. For many of us, this will be our first in-person scientific meeting since the start of the COVID pandemic and will be an opportunity to reunite with international colleagues. The ability to hold this meeting in parallel with ILC4 and the Interferon lambda community workshop highlights the continued interest in cytokine biology. This is reflected in the overwhelming levels of sponsorship support that have been provided by our partners from biotech, pharma, scientific vendors, and foundations. This sponsorship has allowed the ICIS to provide 100 travel awards for trainees – an unprecedented recognition of the number and quality of abstracts submitted. One of the lessons we have learned over the last two years of the pandemic is that the ability to include a virtual platform provides new opportunities for our colleagues, students, and young investigators to hear the latest advances in cytokine science as well as to present their work. This is an integral part of this year's meeting, and we hope will allow the ICIS access to more scientists interested in cytokine biology. These travel awards and increased access to the scientific content of the meeting will maintain and strengthen the pipeline of cytokine biologists that are the foundation of the ICIS.

As preparations for the 2022 annual meeting are winding up, the organization of the 2023 meeting in Athens has already started, and the chair of the meeting, Evangelos Andreakos, Ph.D., Biomedical Research Foundation, Academy of Athens, and Co-Chair, George N. Pavlakakis, MD, Ph.D., National Cancer Institute/NIH are already assembling the relevant committees and list of scientific topics. In addition, the ICIS is willing to provide support to our members interested in organizing satellite sessions or workshops associated with other Immunological societies. In 2022 we supported sessions at AAI and FOCIS but are receptive to society members who want to work with other societies to showcase cytokine biology. If you are interested in this concept, please feel free to contact me directly.

Finally, regardless of career stage, is there someone whose work you have admired and think deserves recognition? One of the key goals of the society is to acknowledge the scientific advances in our field and the ICIS tries to identify the most appropriate candidates for the various ICIS awards. There is an immense pool of talented cytokine biologists, but the success of these awards is in large part dependent on the willingness of our members to nominate their colleagues, mentees, and mentors. It isn't too early to think about nominations for 2023 to show that appreciation and to take the opportunity to highlight their scientific, mentoring, or service contributions. The effort involved is not trivial, but many positives come from this process.

Looking forward to seeing you in person in Hawaii or virtually at Cytokines 2022!

Mahalo

For the full articles, please visit Signals+ digital magazine at: <https://signals.cytokinesociety.org/>



For our annual scientific meeting in Hawaii, visit www.hawaii.cytokinesociety.org

For ICIS awards go to: <https://cytokinesociety.org/awards/>



Future Meetings

Cytokines 2022 Hybrid Joint Meeting with ILC4
September 20-23, 2022
Waikoloa, Hawaii, USA

Cytokines 2023 Hybrid Meeting
October 15-18, 2023
Athens, Greece

Cytokines 2024 Joint Meeting with KAI
October 20-23, 2024
Seoul, Korea

Newsletter Editors:

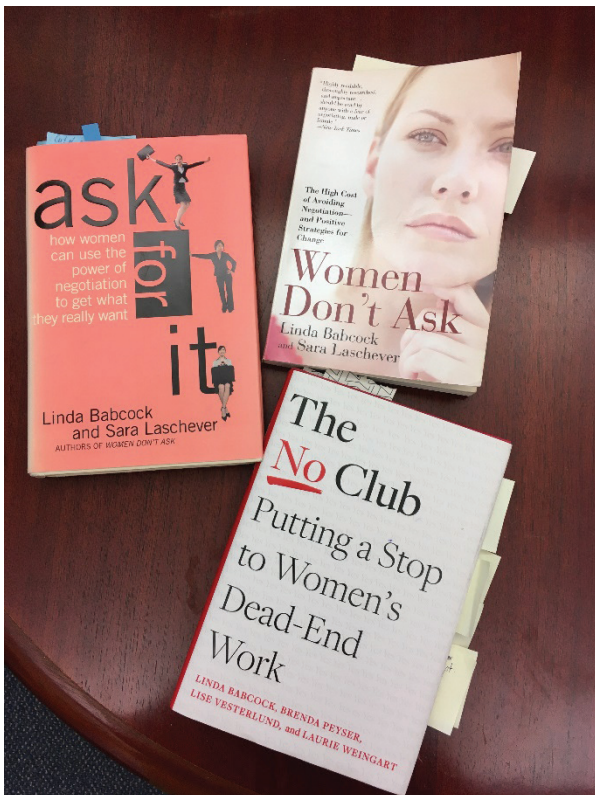
Howard Young
Marta Catalfamo
Di Yu / Zhian Chen
Supreet Agarwal

Managing Director:

Joan Oefner

ICIS
International Cytokine &
Interferon Society

Three Books that Changed my Life as a Female Professor in Academia



It's an unfortunate but well-documented fact that bias against women is rampant in the professional world (not just academia). Although I have been more fortunate than many of my female peers in this regard, I have certainly experienced this, mostly in little ways, though occasionally in jaw-droppingly big ones. Two examples will suffice. As a grad student in the early 1990s, a PI of a neighboring lab told me, "Women shouldn't try to do science because to be successful, you need a wife." Sadly, this type of thinking is not ancient history. A few years ago, I was slated to give a major talk at a prestigious conference alongside two men. Upon seeing the program, a senior individual at my institution said, "I see that you are the X-chromosome invitation." Importantly, men are not the only perpetrators of such bias; women are just as likely to negatively judge other women and unconsciously reward or favor men.

Even so, this does not mean women cannot succeed in professional careers, and there are many great resources to help navigate this. I will briefly highlight three books that changed my perspective and gave me valuable roadmaps for success.

Women Don't Ask (The High Cost of Avoiding Negotiation and Positive Strategies for Change) © 2007

Ask For It (How women can use the power of negotiation to get what they really want) © 2008

Linda Babcock and Sara Laschever

This eye-opening pair of books was written by Linda Babcock (professor of Economics at Carnegie Mellon University) and Sara Laschever (an author and leading authority on impediments to women's careers). As the title suggests, *Women Don't Ask* discusses the many ways in which women are hesitant to ask or negotiate for more. "More" could mean many things, salary and promotion being obvious. However, more could also mean recognition, vacation, lab space, speaking opportunities at conferences or seminars, lab space, or in my case, an endowed chair. The book goes over how being hesitant to negotiate leads to job dissatisfaction. Just as significantly, this also harms organizations when productive employees leave without clarifying what it would take to keep them. It's often much more cost-effective to retain a talented individual with a pay increase than to replace them. *Ask For It* covers some of the same ground but provides a fantastic "how-to" approach to make asking for things – i.e., negotiating – not only less terrifying but actually to become a habit. A "negotiation gym," as the authors call it.

Sarah Gaffen, PhD

Professor, Gerald P. Rodnan Endowed Chair in Rheumatology, University of Pittsburgh

President-Elect, International Cytokine & Interferon Society (ICIS)

For me, *Ask For It* in particular, provided some real “ah ha” moments. When I sought an Assistant Professor faculty position as a postdoc, I did virtually no negotiating, despite having three job offers. I was just thrilled that someone was willing to pay me to do this fantastic job, and I (erroneously) assumed that I would burn bridges or seem greedy if I demanded more than was offered. More or less the same thing happened when I was given tenure and promoted to Associate Professor, despite having an offer at another institution. By then, my salary was considerably behind my peers, despite my above-average performance. I had no real idea of how to “threaten to leave” when I secretly knew I was unlikely to do so. Understanding that my boss and I were on the same side made it easier for me to negotiate – I had never really appreciated that I could be doing my boss a favor by asking for what I wanted. Instead of framing the conversation as “give me this or I will leave,” I was able to more comfortably say, “I have this other offer, but I have many reasons to want to stay here ... what can we do to make things more comparable so that we both benefit?”

Thanks to these books, I have been able to negotiate for many things that have improved my life as an academic. I bet you can too.

The No Club © 2022

Linda Babcock, Brenda Peyser, Lise Vesterlund and Laurie Weingart

Another issue for women in professional settings is a prevailing culture in which women do disproportionately more service work compared to their male peers. *The No Club* was formed out of a regular lunch meeting of 5 senior women faculty at Carnegie Mellon and the University of Pittsburgh. They were highly successful but felt overwhelmed. The book opens with one of the women comparing her daily calendar to a male peer's. Her day contained hours of teaching duties, advising junior faculty, reviewing for a journal, and attending this or that committee. In contrast, her male colleague's calendar was mainly devoted to his work—no wonder she was working late into the night at personal cost.

This outstanding book is full of data-driven metrics showing that (1) women are asked to do far more “nonpromotable tasks” (NPTs) than men, to the detriment of their careers, (2) both men and women ask other women to do NPTs disproportionately, and (3) women volunteer to do NPTs more often than men. Warning- don't take the phrase NPT too literally- “promotable” doesn't have to mean job promotion or payment per se. NPTs are essential tasks to one's institution but provide minimal benefit to the person who does it. For example, writing up the minutes

from a faculty meeting is a classic NPT. So is taking time to provide career advice or mentorship to another colleague's student, or writing a blinded peer review, or (depending on your position) agreeing to teach lectures. Once you start recognizing them, you will see NPTs everywhere. This is not to say that one should avoid all NPTs—these tasks need to be performed by someone, and often they are enjoyable or satisfying. But many are not, and they don't always have to be done by you – recommend a male colleague instead. Be mindful of how much time you use for NPTs versus career-boosting activities. Grant-writing, paper-writing, and guiding students and postdocs are not NPTs. Sometimes it's not evident whether something is an NPT - volunteer activities can carry prestige or salary support (food for thought, is being President-Elect of the ICIS an NPT or a career booster?). Serving on grant review panels (e.g., NIH study sections) is an important part of being in a research community and can have tangible benefits to one's research and grant-writing skills. Sometimes you will directly benefit from reviewing a paper that is very relevant to your research.

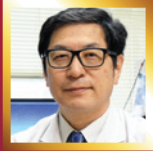
Any female reading this needs no convincing of the contentions that women volunteer more and are “voluntold” more, but how does one prove that experimentally? The authors describe studies in which a group of male and female study subjects was brought together and given a computer with a “volunteer button” (and no communication among the group was allowed). Everyone was informed they would receive \$1 for participating. If someone in the group pressed the button within 2 minutes, everyone would get \$2 – except the person who pushed the button, who would only receive \$1.25. In other words, everyone benefitted if the button got pressed, but the person who did the work got less benefit than the others. Unsurprisingly, women were ~50% more likely than men to press the button. In a male-only group, the button got pressed just as often as in the mixed-gender group so that men CAN press the button; they do it far less if women are around. Many variations on this theme illustrate how NPTs fall on women and that women are just as guilty as men in asking other women to volunteer.

The No Club describes excellent strategies to avoid NPTs, including a “24-hour rule”: you can say no right away, but you cannot say yes to anything without a waiting period. There are more, but you need to read the book.



2022 ICIS Award Winners

The ICIS-Pfizer Award for Excellence in Cytokine & Interferon Research



Akihiko Yoshimura, PhD

Professor of Microbiology and Immunology, Keio University School of Medicine, Tokyo, Japan



ICIS-BioLegend William E. Paul Award for Excellence in Cytokine Research



David Artis, PhD

Michael Kors Professor of Immunology, Director, Jill Roberts Institute for Research in Inflammatory Bowel Disease Director, Friedman Center for Nutrition and Inflammation, Weill Cornell Medical College, New York City, USA



Wanjun Chen, MD

Senior Investigator, Chief, Mucosal Immunology Section, National Institute of Dental and Craniofacial Research National Institutes of Health Bethesda, MD, USA

ICIS-LUMINEX John R. Kettman Award for Excellence in Cytokine & Interferon Research



Lydia Lynch, PhD

Principle Investigator, Associate Immunologist, Brigham and Women's Hospital/ Harvard Medical School, Director, Metabolic Core, Brigham and Women's Hospital, Boston, USA



ICIS Mentorship Award



Ludmila Prokunina-Olsson, PhD

Chief, Senior Investigator, Head, Prokunina-Olsson Laboratory, Laboratory of Translational Genomics, Division of Cancer Epidemiology and Genetic sat the National Cancer Institute

ICIS Honorary Lifetime Membership Award



Luke A. J. O'Neill, PhD

Trinity College Dublin, Professor and Chair of Biochemistry, Trinity Biomedical Sciences Institute, Dublin, Ireland

ICIS Distinguished Service Award



Curt M. Horvath, PhD

Biochemistry, Molecular Biology and Cell Biology, Northwestern University Department of Molecular Biosciences Evanston, USA

2022 ICIS-Regeneron New Investigator Awards for Excellence in Cytokine & Interferon Research



Charlotte Odendall, PhD

Sir Henry Dale Fellow King's College London London, UK



David Olgarnier, PhD

Assistant Professor Aarhus University Aarhus, Denmark



Timothy O'Sullivan, PhD

Assistant Professor University of California, Los Angeles Los Angeles, USA



Christopher Schneider, PhD

Assistant Professor Institution of Physiology University of Zurich Zurich, Switzerland



Kellie Ann Jurado, PhD

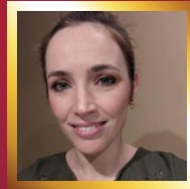
Presidential Assistant Professor, Department of Microbiology, Perelman School of Medicine University of Pennsylvania Philadelphia, USA

The Christina Fleischmann Award to Young Women Investigators



2022 ICIS Award Winners

2022 Amanda Proudfoot Tribute Graduate Student/Postdoc Award for Advances in Chemokine Biology by a Trainee



Mélanie Bruchard, PhD

*INSERM U1231, Dijon,
France*

*Sponsored by the Friends, Family & Colleagues of
the Late Amanda Proudfoot (ICIS Honorary
Lifetime Member)*

The Sidney & Joan Pestka Graduate & Post Graduate Awards for Excellence in Cytokine & Interferon Research – sponsored by PBL Assay Science

Sponsored by



Post-Graduate



Ryan G. Gaudet, PhD

*Yale University Systems
Biology Institute, West
Haven, USA*

Graduate



Conor Gruber, PhD

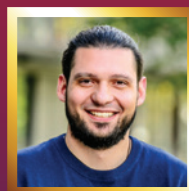
*Icahn School of Medicine
at Mt. Sinai
New York City, USA*

2022 ICIS-Pfizer Junior Investigator Award Winners at Cytokines 2022



Michel Enamorado, PhD

*CRI Postdoctoral Fellow
NIAID/National Institutes
of Health (NIH)
Bethesda, USA*



Fotis Karagiannis, PhD

*Postdoc, Institute of
Clinical Chemistry &
Clinical Pharmacology
University Hospital Bonn,
University of Bonn
Bonn, Germany*



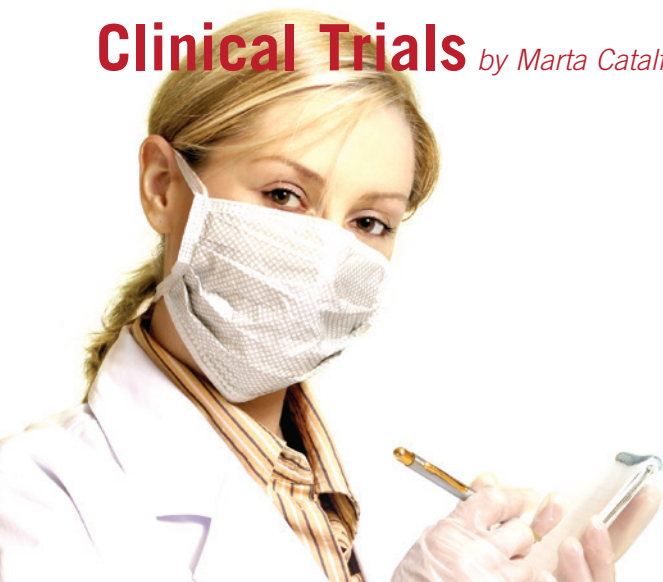
Etienne Masle-Farquhar, PhD

*Postdoctoral Scientist
Garvan Institute of Medical
Research
Darlinghurst, Australia*



Claire E. O'Leary, PhD

*Postdoctoral Research
Associate
Howard Hughes Medical
Institute – UCSF
San Francisco, USA*



Treatment With Dinutuximab Beta, Zoledronic Acid and Low-dose Interleukin (IL-2) in Patients With Leiomyosarcoma (DiTuSarc)

ClinicalTrials.gov Identifier: NCT05080790

Contact: Daniel Pink, Dr., 033631 73527,

daniel.pink@helios-gesundheit.de

Contact: Melanie Prause, 069 7601 4211,

prause.melanie@ikf-khnw.de

Sponsors and Collaborators: Institut für Klinische Krebsforschung IKF GmbH at Krankenhaus Nordwest EUSA Pharma, Inc.

Recombinant Human Interleukin-7 to Promote T-Cell Recovery After Cord Blood Transplant

ClinicalTrials.gov Identifier: NCT03941769

Contact: Gheath Al-Atrash, 713-563-3324,

galatras@mdanderson.org

Sponsors and Collaborators: M.D. Anderson Cancer Center National Cancer Institute (NCI)

Beta Endorphins, Interleukin 1 and Interleukin 38 in Covid Patients Associated With Neuropsychological Manifestations.

ClinicalTrials.gov Identifier: NCT05198388

Contact: somaya redwan younes, master 01099865482

somayaredwanmalak@gmail.com

Contact: Eman mosaad zaki, doctor 01065518821

Eman_mosaad@hotmail.com

Sponsors and Collaborators: Assiut University

Evaluation of Serum Interleukin-15 and Interleukin-22 Levels in Patients With Non-segmental Vitiligo

ClinicalTrials.gov Identifier: NCT05121532

Sponsor: Sohag University

Responsible Party: Samah Saeed Badrous, Sohag University

Interleukin-11 Can Prevent and Treat of Radioactive Oral Mucitis

ClinicalTrials.gov Identifier: NCT03720340

Contact: Yuanyuan Chen, Professor, +86 13738103808,

chenyy@zjcc.org.cn

Sponsors and Collaborators: Zhejiang Cancer Hospital, Hangzhou, Zhejiang, China, 310022

Pembrolizumab and Recombinant Interleukin-12 in Treating Patients With Solid Tumors

ClinicalTrials.gov Identifier: NCT03030378

Principal Investigator: Diwakar Davar, University of Pittsburgh Cancer Institute LAO

Sponsors and Collaborators: National Cancer Institute (NCI)

A Study of Guselkumab and Interleukin-17 (IL-17) Inhibitor Therapies in Participants With Psoriatic Arthritis in Routine Clinical Practice (PsABIONd)

ClinicalTrials.gov Identifier: NCT05049798

Contact: Study Contact, 844-434-4210,

Participate-In-This-Study@its.jnj.com

Sponsors and Collaborators: Janssen Pharmaceutica N.V., Belgium

Interleukin-4Ra Blockade by Dupilumab Decreases Staphylococcus Colonization and Increases Microbial Diversity in CRSwNP

ClinicalTrials.gov Identifier: NCT05094570

Contact: Kristin W Wavell Shifflett, BS 4349246874,

kww7d@virginia.edu

Contact: Deborah Murphy, BSN 4349823510, ddm9q@virginia.edu

Sponsors and Collaborators: University of Virginia Regeneron Pharmaceuticals

Principal Investigator: Larry C Borish, MD, University of Virginia,

Serum IL 26 as a Marker of Disease Activity in SLE

ClinicalTrials.gov Identifier: NCT05161988

Contact: Fatma Al-zahraa M. Abdel-bary, resident 0201014363853,

Zahraamustafa22@yahoo.com

Contact: Sherif H. Jalal, professor 0201222675000,

Sherif_h918@hotmail.com

Sponsors and Collaborators: Assiut University

Safety and Efficacy of Interferon-Gamma 1b in Patients With Candidemia

ClinicalTrials.gov Identifier: NCT04979052

Contact: Frank vd Veerdonk, Dr. 0031243618819, frank.

vandeveerdonk@radboudumc.nl

Study to Evaluate Oral BIIB061 Added to Interferon-beta1 (IFN- 1) or Glatiramer Acetate in Relapsing Multiple Sclerosis (RMS)

ClinicalTrials.gov Identifier: NCT04079088

Contact: US Biogen Clinical Trial Center 866-633-4636

clinicaltrials@biogen.com

Contact: Global Biogen Clinical Trial Center,

clinicaltrials@biogen.com

Sponsors and Collaborators: Biogen

Phase 3 Study to Evaluate the Efficacy and Safety of Peginterferon Lambda for 48 Weeks in Patients With Chronic HDV (LIMT-2)

ClinicalTrials.gov Identifier: NCT05070364

Contact: Nicole Ramza, MBA, 650-272-6138, LIMT-2@eigerbio.com

Contact: Monica Gangal, MSc, 650-272-6138,

LIMT-2@eigerbio.com

Sponsors and Collaborators: Eiger BioPharmaceuticals

Websites of Interest



SigCom LINCS: data and metadata search engine for a million gene expression signatures

Millions of transcriptomics samples were generated by the [Library of Integrated Network-Based Cellular Signatures \(LINCS\)](#) program. When these data are processed into searchable signatures along with signatures extracted from [Genotype-Tissue Expression \(GTEx\)](#), and [Gene Expression Omnibus](#), connections between drugs, genes, pathways, and diseases can be illuminated. SigCom LINCS is a web-based search engine that serves over 1.5 million gene expression signatures processed, analyzed, and visualized from LINCS, GTEx, and GEO. SigCom LINCS is built from the Signature Commons framework, a cloud-agnostic generic platform that can be used to stand up Data Commons with a focus on searchable signatures. SigCom LINCS provides rapid signature similarity search for mimickers and reversers given sets of up and down genes. Additionally, users of SigCom LINCS can perform a metadata search to find and analyze subsets of signatures, and find information about genes and drugs. SigCom LINCS is findable, accessible, interoperable, and reusable (FAIR) compliant with metadata linked to standard ontologies and vocabularies while all data and signatures within SigCom LINCS are available for download and via a well-documented API. In summary, SigCom LINCS has the potential to accelerate drug and target discovery in systems pharmacology.



ICARUS, an interactive web server for single cell RNA-seq analysis

<https://launch.icarus-scRNAseq.cloud.edu.au/app/ICARUS>

This application was designed to guide the user through single cell RNA-seq analysis using the Seurat scRNA-seq analysis toolkit via a tutorial style interface. It offers user control over each of the steps to personalise analysis based on the dataset of interest. Graphical outputs at each analysis step ensures easy and logical interpretation. The purpose of this application is to allow the user to interactively visualize single cell RNA-seq data without the requirement of previous R programming knowledge.



scIMC: a platform for benchmarking comparison and visualization analysis of scRNA-seq data imputation methods

<https://server.wei-group.net/scIMC/#/>

scIMC is composed of two modules: Imputation module and Downstream analysis module. It allows users to perform 12 state-of-the-art imputation methods (six model-based methods and six deep learning-based methods), and comprehensively evaluate and compare their performance in terms of the performance of recovering gene expression, cell clustering, gene differential expression and reconstructing cellular trajectory. scIMC is the first online platform that integrates all available state-of-the-art imputation methods for benchmarking comparison and visualization analysis.



SubcellularVis: a web-based tool to simplify and visualise subcellular compartment enrichment

<http://phenome.manchester.ac.uk/Subcellular/>

SubcellularVis is a tool for visualising enrichment of Gene Ontology Cellular Compartments within gene lists. Input your gene or protein list as a text or .csv input in the box to the left. Make sure to select the correct organism and gene/protein identifier type. You can calculate enrichment based on the whole cell or the endosomal system.



Gene-SCOUT: identifying genes with similar continuous trait fingerprints from genome-wide association analyses

<https://astrazeneca-cgr-publications.github.io/gene-scout/>

Gene-SCOUT aims to find similar genes to a particular gene of interest where for each gene a unique signature is constructed. The method exploits associations derived from 450,000 exomes sequenced in the UK Biobank, as well as 120,000 samples of metabolomic data. For a given gene, its signature comprises a collection of associations between variants of the gene and phenotypic traits measured in the UK Biobank.



RSAT 2022: regulatory sequence analysis tools

http://rsat.france-bioinformatique.fr/rsat/RSAT_portal.html

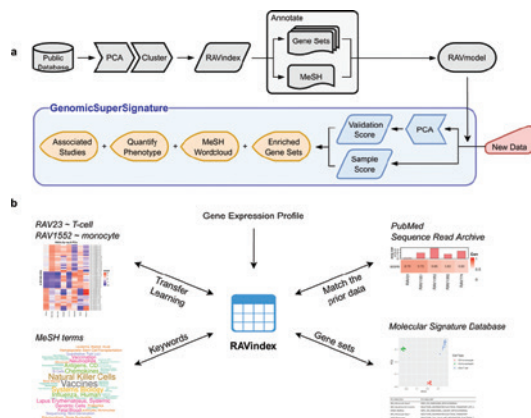
RSAT (Regulatory Sequence Analysis Tools) enables the detection and the analysis of cis-regulatory elements in genomic sequences. This software suite performs (i) de novo motif discovery (including from genome-wide datasets like ChIP-seq/ATAC-seq) (ii) genomic sequences scanning with known motifs, (iii) motif analysis (quality assessment, comparisons and clustering), (iv) analysis of regulatory variations and (v) comparative genomics. RSAT comprises 50 tools. Six public Web servers (including a teaching server) are offered to meet the needs of different biological communities. RSAT philosophy and originality are: (i) a multi-modal access depending on the user needs, through web forms, command-line for local installation and programmatic web services, (ii) a support for virtually any genome (animals, bacteria, plants, totaling over 10 000 genomes directly accessible). Since the 2018 NAR Web Software Issue, we have developed a large REST API, extended the support for additional genomes and external motif collections, enhanced some tools and Web forms, and developed a novel tool that builds or refine gene regulatory networks using motif scanning (network-interactions). The RSAT website provides extensive documentation, tutorials and published protocols. RSAT code is under open-source license and now hosted in GitHub. RSAT is available at [here](#).



GenomicSuperSignature facilitates interpretation of RNA-seq experiments through robust, efficient comparison to public databases

<https://github.com/shbrief/GenomicSuperSignature>

GenomicSuperSignature, a toolkit for interpreting new RNA-seq datasets in the context of a large-scale database of previously published and annotated results. As an exploratory data analysis tool, GenomicSuperSignature matches PCA axes in a new dataset to an annotated index of Replicable Axes of Variation (RAV) represented in previously published independent datasets. GenomicSuperSignature also can be used as a tool for transfer learning, utilizing RAVs as well-defined and replicable latent variables defined by multiple previous studies in place of de novo latent variables. The interpretability of RAVs is enhanced through annotations by MEDical Subject Headings (MeSH) and Gene Set Enrichment Analysis (GSEA). Through the use of pre-built, pre-annotated, dimension-reduced RAVs, GenomicSuperSignature leverages knowledge from tens of thousands of samples and from PubMed and MSigDB, to the dataset at hand within seconds on an ordinary laptop. GenomicSuperSignature is implemented as an R/Bioconductor package for straightforward incorporation into popular RNA-seq analysis pipelines.



ICIS Membership hits **1,200** with Students & Postdocs making up for most of the growth!

Announcing this membership milestone! Students & Postdoc membership has grown the most in the last few years, currently making up 48% of total membership. The newly established ICIS Early-Career Researcher (ECR) Committee welcomes new members to join them in building on to the scientific home for everything cytokine and determining the future direction of the ICIS to provide what those newest to the field need to succeed.



Welcome New Members!

See all new members here:

<https://signals.cytokinesociety.org/category/welcome-new-members/>



New Member Mini-Bios:

Read the New Member Mini-Bios here:

<https://signals.cytokinesociety.org/category/new-member-mini-bios/>

MEMBERS BY MEMBER TYPE

Academic/Government Life Membership	92
Academic/Government Member	452
Emeritus Member	18
Honorary Lifetime Member	48
Industry Member	19
Student PostDoc Three Year Membership	571
TOTAL	1,200



Meet the ICIS Early-Career Committee (ECR)

ECR (Early Career Researcher) Committee

The ECR Committee will organize and run young investigator sessions and events to create opportunities for young investigators to build relationships within academia, the corporate world and publishing. Opportunities may include panels, networking and other activities at the annual meeting, regional meetings and other times throughout the year. The ECR Committee is open to all ICIS student/postdoc members as well as Early Career members who have received a Ph.D. or M.D. within the previous 10 -15 years.

All those interested in participating on this committee are encouraged to reach out to the committee members.

Read more here <https://cytokinesociety.org/meet-the-icis-early-career-committee/>



Co-Chair:

Adriana Forero, PhD

Assistant Professor,
Microbial Infection and
Immunity, The Ohio State
University College of
Medicine, Columbus, USA

[@adforu](#)



Co-Chair:

Juan Mendoza, PhD

Assistant Professor of
Molecular Engineering
and in the Department
of Biochemistry and
Molecular Biology, The
University of Chicago
Pritzker School of
Molecular Engineering,
Chicago, USA

[@DrJuanLMendoza](#)



ICIS Council Member for
Inclusion and Training:

Ruby Dawson, PhD

Postdoctoral Researcher
Cancer and Immune
Signalling Laboratory
Centre for Innate
Immunity and Infectious
Diseases Hudson Institute
of Medical Research
Clayton, VIC, Australia

[@RubyDaw26](#)



ICIS Council Member for
Inclusion and Training:

Justina Kulikauskaite

fourth year PhD Francis
Crick Institute and
University College London,
UK

[@JustinaKulika](#)



Meike Dittmann, PhD

Assistant Professor,
Department of
Microbiology, New York
University School of
Medicine, New York, NY,
USA

[@dittmannlab](#)



Shruti Naik, PhD

Assistant Professor
Department of
Pathology, Department
of Medicine, Ronald O.
Perleman Department of
Dermatology, Member,
Perlmutter Cancer Center
NYU School of Medicine,
New York, USA

[@DrShrutiNaik](#)



Segun Onabajo, PhD

Principle Scientist at
Genentech, South San
Francisco, USA

[@SegunOnabajo](#)



Elia Tait Wojno, PhD

Assistant Professor of
Immunology, University of
Washington, Seattle, USA

[@eliataitwojno](#)

NETWORKING EVENTS FOR EARLY-CAREER RESEARCHERS ATTENDING CYTOKINES 2022 JOINT MEETING WITH ILC4

Read more at https://hawaii.cytokinesociety.org/ecr_events/.



All those interested in participating on this committee are encouraged to reach out to the committee members.
<https://cytokinesociety.org/meet-the-icis-early-career-committee/>

ATTENTION all Early-Career Researchers attending Cytokines 2022 Joint Meeting with ILC4:

We cordially invite you all to participate in three additional networking opportunities, free of charge, for all students and trainees attending the Meeting in person taking place in the Water's Edge Ballroom:



- **Young Investigators Meet the Publishers Networking Event**
<https://hawaii.cytokinesociety.org/young-investigators-meet-the-publishers-networking-event/>
Wednesday 21 September at 19:10 – 20:40 (Snacks & Drinks reception)



- **Young Investigators Careers in Academia Panel Discussion Lunch**
<https://hawaii.cytokinesociety.org/young-investigators-careers-in-academia-panel-discussion-lunch/>
Thursday 22 September at 12:30 – 13:45 (Lunch Buffet)



- **Young Investigators Careers in Industry Job Fair and Panel Discussion**
<https://hawaii.cytokinesociety.org/young-investigator-careers-in-industry-job-fair-and-panel-discussion/>
Thursday 22 September at 19:10 – 20:40 (Snacks & Drinks Reception)

Future Meetings

Cytokines 2023: 11th Annual Meeting of the International Cytokine & Interferon Society
15-18 October 2023
(returning to the Sunday – Wednesday pattern)
Athens, Greece

Program Chair: Evangelos Andreakos,
Laboratory of Immunobiology, Biomedical
Research Foundation, Academy of Athens
Co-Chair: George Pavlakis, Head, Human
Retrovirus Section, National Cancer Institute,
(NIH)

Cytokines 2024: 12th Annual Meeting of the International Cytokine & Interferon Society
20-23 October 2024
Seoul, Korea
Jointly sponsored by the Korean Association of
Immunologists (KAI)

Program Chair: You-Me Kim, Korea Advanced
Institute of Science and Technology (KAIST),
Seoul, Korea
Co-Chair: Sang-il Lee, Department of Internal
Medicine, Gyeongsang National University
School of Medicine and Gyeongsang National
University Hospital, Jinju, Korea

Cytokines 2025: 13th Annual Meeting of the International Cytokine & Interferon Society
Dates TBD
Seattle, USA

Co-Chairs: Michael Gale, Jr. & Ram Savan,
University of Washington, Seattle, USA

Summaries of Other Meetings

Sponsored by ICIS

For more details visit: <https://cytokinesociety.org/rising-stars/>



International Cytokine & Interferon Society Session – Rising Stars of Cytokine Biology – AAI Guest Symposium AAI 2022

International Cytokine & Interferon Society Session – Rising Stars of Cytokine Biology – AAI Guest Symposium AAI 2022

<https://cytokinesociety.org/rising-stars/>



Co-Chairs- Sarah Gaffen, U Pittsburgh. USA, Rebecca Coll, Queen's, Belfast, Northern Ireland, UK



From Left: Jakob von Moltke, Fiachra Humphries, Sarah Gaffen, Shruti Naik and Rebecca Coll

ICIS Member Society Symposium at FOCIS 2022

Human Cytokine Deficiencies and Cytokinopathies

<https://cytokinesociety.org/human-cytokine-deficiencies-and-cytokinopathies/>

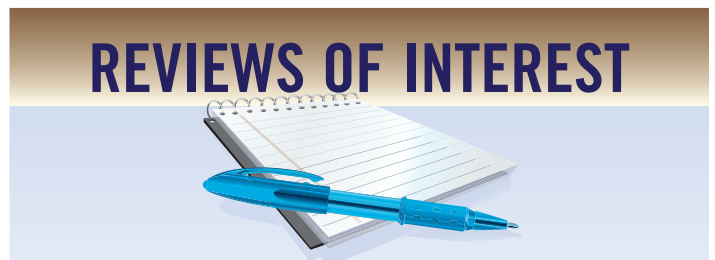


Co-Chairs: (L) Kate Jeffrey, Moderna/Harvard University; (R) Dusan Bogunovic, - Icahn School of Medicine at Mount Sinai

25th Annual Woods Hole Immunoparasitology 2022

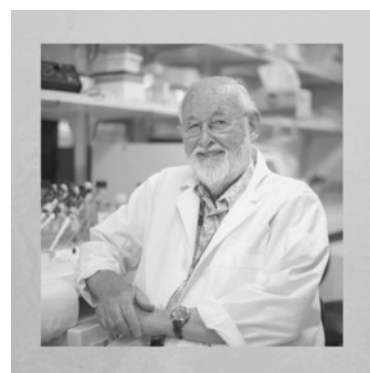
Meeting Summary

<https://signals.cytokinesociety.org/2022/08/21/woods-hole-immunoparasitology-2022/>



For recent Reviews of Interest, please visit:

<https://signals.cytokinesociety.org/category/reviews/>



In Memoriam: Joost J. Oppenheim, M.D. (1934–2022)

The CCR community is profoundly saddened by the recent passing of Joost “Joe” Oppenheim, M.D., Senior Investigator and Head of the Cellular Immunology Section in the Cancer Innovation Laboratory. He died on May 14, 2022, at the age of 87. Read the full article here: <https://ccr.cancer.gov/news/article/in-memoriam-joost-j-oppenheim-md-1934-2022>



SAVE THE DATE

**International Cytokine &
Interferon Society • ICIS**

**Cytokines & Interferons
in the Precision Medicine Era**

Program Chair:

**Evangelos Andreacos,
Biomedical Research Foundation,
Academy of Athens**

Co-Chair:

**George N. Pavlakis,
National Cancer Institute/NIH**

**Divani Caravel
Athens / Greece**

**15 - 18 October
2023**

**Abstract Submission Deadline:
15 May, 2023**

athens.cytokinesociety.org