PATCHARAPORN SRISAIKAEW, Ph.D.

Clinical Researcher | Neuroscientist | Project Manager

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Career Highlight / Professional Summary

An accomplished clinical researcher and self-motivated neuroscientist/anatomist with >13 years of experience in diverse, cross-functional clinical/academic/scientific research in neuroscience, I possess transferable skill sets to excel in fast-paced and high-productivity scientific environments. I demonstrate in-depth scientific knowledge through presentations, publications, and dissemination to multifunctional teams and stakeholders while fostering professional relationships. With >10 years of extensive experience in research, strategic and operational leadership, data and project management and coordination, and regulatory compliance, I am committed to leveraging my knowledge and expertise to significantly contribute to healthcare and organizational advancement. I am dedicated to driving solutions that enhance people's lives and quality of care through innovative research and knowledge translation.

- **Research Excellence:** Highly experienced in academic and scientific communication, grant and research ethics proposal writing, research study design and development, and data analysis. Well-trained in research ethics in human subjects in clinical research settings. Well-versed in liaising with governance, regulatory compliance, research strategies and trends, study protocol and policy reviews, and clinical or trial registries.
- **Project Management** – Effective in planning, executing, and overseeing projects from initiation to completion, ensuring a clear understanding of project goals, scope, and deliverable outcomes on time and within budgets.
- **Strategic Planning** – Excellent team player in multi-disciplinary teams and proven success in managing complex issues, solving problems, positively handling situations, and reconciling diverse perspectives from various stakeholders to confidently achieve common goals, resulting in a >90% increase in project efficiency.
- **Leadership/Relationship Management** – EDIA advocacy promotes intra-/inter-team collaboration, facilitates consulting, manages cross-functional teams and ensures the completion of high-quality project outcomes.

Professional Skills / Area of Expertise

- Clinical Research
- Project Management
- Strategic Planning
- Organizational Leadership
- Data Governance / Privacy
- Regulatory Compliance
- Data Lifecycle Management
- Research / Clinical Ethics
- Publications/Dissemination
- Business/Financial Acumen
- Effective Communication
- Problem-solver / Resilience
- Neuroimage Processing (FreeSurfer, MRtrix3, FSL)
- Clinical and Scientific Consultation and Advise
- Scripting and Programming
- Statistical Data Analysis (Python, SPSS)
- Data and Scientific Presentation/Visualization
- Human Anatomy and Cadaveric Dissection
- MS Office Software

Professional Experiences

Postdoctoral Researcher (Level II) | *Hodaie Lab* **July 2021- Present**
Krembil Brain Institute, University Health Network, Toronto, Canada

- **Led and managed >3 clinical research projects** focused on investigating the neural mechanism of the limbic structure's alterations in chronic neuropathic pain patients and how these changes relate to the biopsychological aspect of pain using multimodal MRI-based neuroimaging techniques to improve therapeutic outcomes.
- **Secured >$1.5M in CIHR research grants, ranking 100%** over >2,000 applications, and obtained $100K bridging funding by leading grant and research ethic proposal writing, study design, and registered the study to examine the comprehensive interplay between neuropathic pain, limbic structures and psychological factors.
- Scientific and statistical consultation for teams specializing in machine learning and epigenetic brain-age projects.
- **Managed** multilevel and multidiscipline projects and **collaborated with national and international teams** on project directives, deliverables, milestones, and budget allocation to ensure the team achieved a common goal.
- Proactively **managed** multilevel and **multidiscipline projects** and **cross-functional teams**.
- **Trained and mentored** new research staff, students, and trainees to increase project productivity and efficiency.

UTCSP Pain Case Developer | *Researcher* **Sep 2023 - Feb 2024**
University of Toronto Centre for the Study of Pain (UTCSP) Toronto, Canada

- **Collaborated and worked with multidisciplinary teams** from Canada's renowned institutes (CAMH, WCL, KITE) to develop a resource library of common chronic pain cases for future use and professional development.
- Developed 3 **comprehensive pain case** studies (myofascial pain syndrome, back dominant low back pain, and pain and addiction) to enhance the pre-licensure curriculum and **played a key role** in the Pain Case Developer team, contributing to the advancement of chronic pain **education and professional development** offerings.
- **Managed the team** workflow, project deliverables, and milestones strategies and monitored project quality.

Visiting graduate student | *Anderson Lab and CRANIUM Lab* **Jan 2020 - May 2021**
Rotman Research Institute, Baycrest Health Center, Toronto, Canada

- Developed a novel technique in a **big imaging dataset** research project to investigate the impact of APOE4 carrier and sex on the microstructural aging process in cognitively normal older adults to enhance the understanding of selective degeneration in healthy individuals.
- Conducted research on early detection of dementia and its association with cognitive functioning in patients with MCI, providing the **first evidence** of white matter degeneration related to sustained cognitive functioning.
- Led a **highly collaborative project between North America and Southeast Asia**, fostering international research partnerships and advancing strategic research initiatives.

Registered Medical Radiologic Technician (MRT) **Feb 2016 - Jun 2017**
Clinical Service Center, Faculty of Associated Medical Science, Chaing Mai, Thailand

- Operated and performed **medical imaging services** using ultrasound, mammography, and bone mineral densitometry, **maintaining a 100% success rate** in producing accurate diagnoses for over 3,000 patients.
- Trained students and trainees on **advanced radioanatomy knowledge,** enhancing their practical knowledge.

Registered Medical Radiologic Technician | *CT Specialist* **Jul 2015 - Jan 2016**
Bumrungrad International Hospital, Bangkok, Thailand

- Operated and performed medical imaging services using the computerized tomography (CT) scanner and **patient-focused model of care** to enhance patient safety and experience, yielded high-quality CT images, and contributed to pre- and post-operative decision-making and demonstrated expertise in medical imaging.
- Maintained a 100% success rate for producing accurate diagnoses of radiography over 1,000 patients.

Achievements

- **Selected and featured in** 2025 the International Day of Women and Girls in Science campaign at UHN
- **Selected for** S2BN 2025 National Mentorship Program
- **Selected speaker for the 2025** CNS-PDS Speaker Series
- **Invited speaker** for **Career Presentation** at John Polanyi Collegiate Institute in 2025
- **Invited Event Opening speaker for the** UHN Pride in STEM 2024 event – Live stream on YouTube
- **Invited Tropical Workshop Speaker for the** IASP World Congress 2024 on Pain
- **Selected** as the 2024 UHN Postdoc Spotlight in Neuroscience and **featured** through UHNPA
- **Interviewed and featured** in the UHN Trainee Podcast: Seeds of Science Podcast, Season 2, 2023
- **A recipient of the 2023 Krembil Postdoctoral and Clinical Research Fellowship Award**
- **Selected and featured in 2023** UHN Research's You@TeamUHN **Campaign**
- Educational Workshop **Lead Organizer The** IASP Neuropathic Pain Special Interest Group **2023**
- UHN Postdoc Symposium**: Celebrating Postdoc Excellence 2023** – Co-chair committee and Organizer

Elected / Volunteer Leadership

OHBM Program Committee Liaison (Selected) 2025 – Present
The Organization for Human Brain Mapping

- Responsible for developing and overseeing scientific programming, facilitating preparations, and ensuring overall communication for the OHBM Annual Meeting.
- Collaborated with the OHBM Special Interest Group for their hosted events.

UHN STEM Pathways Volunteer 2024 – Present

A Toronto-based outreach program that enables students to explore STEM with field leaders.

- Led the human anatomy workshop for High School Professional Activities Days (~30 G11 students)
- High school visited and delivered a Career Presentation at John Polanyi School (~30 G12 students)
- Developed basic human anatomy workshop instruction and worksheets for high school students.

OHBM SP-SIG, Career Development & Mentoring Manager (Elected) 2023 – Present

The OHBM Student and Postdoctoral Special Interest Group (SP-SIG)

- Promoting professional, personal, and career development opportunities and support for trainees worldwide.
- Lead the Lunch with Mentors and Research Symposium events (>200 attendees) during annual meetings.
- Organized and coordinated the OHBM Mentorships and Fellowship programs with over 1,000 participants.

UHN Research IDEA Committee, Outreach and Communication Sub-Committee (Elected) 2023 – Present

University Health Network Research Inclusion, Diversity, Equity and Accessibility Team

- Providing advice and guidance on the Research IDEA Action Plan.
- Developed and implemented a strategic plan to foster IDEA across UHN's research community.
- Organized and coordinated speaker Seminars, workshops, media communications and event promotion.

Krembil Trainee Affairs Committee, UHN (Invited and Elected) 2023 – present

- Plan KBI Research Day with the many trainees and PIs from different pillars.
- Plan and co-organize each year's UHN Krembil Research Day

Professional Development, Leadership Committee (Elected) 2021 – Present

University Health Network Postdoctoral Association (UHNPA)

- Co-chair - Organized and moderated the 1st UHN Postdoc Research Symposium in 2023
- Organized and coordinated Postdoc talks, AI workshops, Python workshops, etc. for UHN postdocs
- Led the creation of the UHNPA events promotion materials (i.e., LinkedIn/Twitter/Eventbrite banner).

Scientific Research Abstract Reviewer (Volunteer) 2021 – Present

- Organization for Human Brain Mapping Annual Meeting
  - Topics: Diffusion/MRI modelling and analysis/neuroanatomy/pain
- The 1st UHN Postdoc Research Symposium in 2023
  - Topics: Neurology, Neurosurgery, Cardiology, Oncology, Orthopedics, and Organ transplantation

Scientific Presentation Judge (Invited) 2021 – Present

- *Poster* - Krembil Brain Institute (KBI) Research Day, UHN, June 2023 and March 2024
- *Poster* - UHN Summer Training and Research (STAR) Program, UHN, August 2023
- *Oral* - CPIN (Collaborative Program in Neuroscience) Research Day, UofT, May 2024
- *Poster* –Temerty Faculty of Medicine Research Showcase, UofT, June 2024

Peer review and Group Facilitator for UofT Graduate students (Volunteer and Selected) 2023 – Present

Institute of Medical Science, University of Toronto

- Facilitate a group of graduate students (~20 students) each year.
- Facilitate scientific/research presentations across a wide range of research fields
- Provide professional presentation feedback and comments on scientific presentations.

Women in the Business of Health Science Bootcamp (Selected) 2022

Ontario Bioscience Innovation Organization (OBIO)

- Join an intensive five-day training program to accelerate a career in the growing health science industry.
- Trained by diverse professionals in various business areas, such as finance, business development, project management, operations, and communications and developed and leveraged professional skill sets.

Member of the Organization for Human Brain Mapping (OHBM) 2021 – Present

Member of the Society of Neuroscience (SfN) 2022 – Present

Member of the International Association for the Study of Pain (IASP) 2022 – Present

Member of the Canadian Pain Society (CPS) 2023 – Present

Member of Asia Pacific International Congress of Anatomists 2018

Undergraduate / Graduate School Club President (Elected) 2011 – 2018

Awards / Fellowships / Scholarships

- 2024 Canadian Pain Society Professional Development Award CA$1,000
- 2023 UTCSP Scientific Meeting Trainee Award CA$600
- 2023 Office of Research Trainees (ORT) Conference Participation Award CA$500
- 2023 Migraine Science Collaborative Emerging Contest CA$270
- 2023 KBI Postdoctoral & Clinical Research Fellowship Competition Award CA$30,000
- Thai Research Fund, The Royal Golden Jubilee PhD Programme (2016-2021) 2.3M THB
- Faculty of Medicine Research Fund, Chiang Mai University (CMU), Thailand (2019-2020) 200K THB
- Published Ph.D. Dissertation in the High Impact Factor International Journal Award, CMU, Thailand
- Outstanding Academic Performance of the Academic Year Award, CMU, Thailand (2013-2018)

Professional Certifications

- **ICH GOOD CLINICAL PRACTICE E6 (R2)** by The Global Health Network
- **TCPS 2: CORE 2022** by from the Panel on Research Ethics, Government of Canada
- **Sex and Gender** in **Biomedical Research** by the **CIHR Institute of Gender and Health (IGH)**
- Sex and Gender in **Primary Data Collection** with Human Participants by the CIHR-IGH
- Sex and Gender in **Analysis of Secondary Data** from Human Participants by the CIHR-IGH
- UHN Integrating **IDEA into Research Methodologies** – Translational Research Training Certificate
- **Ethical Research in Humans** from the Faculty of Medicine, Chiang Mai University, Thailand
- **IBM Data Scientist Professional Certificate** *(working toward to obtain; completed 6/12 courses)*
- **Google Foundations of Project Management** *(working toward to obtain; completed 3/6 courses)*

Licenses / Patents

- **Montreal Cognitive Assessment (MoCA) License** (THSRIPA145744-02).
- **Registered Medical Radiologic Technician (MRT) License** (THA, #RT.3987).
- **Petty Patent:** The process of fresh cadaveric brain fixation (THA, DIP#23670).

Education

- **Doctor of Philosophy (Ph.D.) Anatomy** **2016 – 2021**
  Faculty of Medicine, Chiang Mai University, Thailand.
  First Class Honors (Class top 5%, GPA 3.76/4.00)
  Thesis Title: *"Diffusion Tensor Metrics as Biomarkers in Alzheimer's Disease using diffusion MRI and deterministic fibre tractography approaches"*

- **Bachelor of Science (B.Sc.) Radiologic Technology** **2011 – 2015**
  Faculty of Associated Medical Science, Chiang Mai University, Thailand.
  First Class Honors (Class top 10%, GPA 3.57/4.00)
  Dissertation Title: *"The Study of Fornix and Its Association with Mild Neurocognitive Disorder Due to Alzheimer's Disease: A Cadaveric Study and A Pilot Imaging Study in Patients"*

Talks

- **Selected speaker for the 2025 CNS-PDS Speaker Series** April 5, **2025**
  At the 2025 Canadian Neuroscience Seminars - PostDoctoral Series (CNS-PDS)
  Title: *"Maladaptive Neuroplasticity in Cortico-limbic Structures: Insights from Surgical Pain Relief in Chronic Neuropathic Facial Pain."*

- **Invited speaker for Career Presentation** March 5, **2025**
  High School science class visit at John Polanyi Collegiate Institute
- **Invited workshop instructor in the basic human anatomy** January 30, **2025**
  At High School Professional Days, Toronto General Hospital
- **Invited Event Opening speaker for the UHN Pride in STEM 2024 event** November 18, **2024**
  Live stream on YouTube
- **Invited for Research and Career in Neuroscience interview** November 13, **2024**
  For Biotechnology students at Fleming College, Peterborough, ON
- **Invited Tropical Workshop Speaker** August 5-9, **2024**
  At **IASP World Congress 2024 on Pain**, Amsterdam, Netherlands
  A multimodal approach to solving the puzzle of trigeminal neuralgia IASP 2024 Workshop
  Title: *"Advanced brain imaging helps improve patient surgical selection"*
- **UTCSP Pain Journal Club** April 3, **2023**
  Faculty of Dentistry, University of Toronto**,** Toronto, Canada
  Title: "Paper Discussion on amygdala in chronic pain patients with emotional stress"
- **UHN Trainee Podcast**: Seeds of Science Podcast, Season 2 May 12, **2023**
  Interview Guest for UHN Trainee Podcast, Episode 5
  Title: From Brain Specimens to Pain Neuroimaging
- **Krembil Research Neuroimaging Rounds,** Toronto, Canada January 18, **2022**
  Krembil Research Institute, Toronto Western Hospital, University Health Network
  Title: *"The Impact of Chronic Pain on Fornix White Matter Microstructure"*
- **Rotman Research Institute** December 2, **2020**
  Baycrest Health Center, Toronto, Canada
  Title: *"Diffusion tensor imaging (DTI) and Apolipoprotein E4 (APOE4)"*
- **Rotman Research Institute** September 23, **2020**
  Baycrest Health Center, Toronto, Canada
  Title: *"Tract-based Spatial Statistic (TBSS) Tutorial"*
- **Rotman Research Institute** June 18, **2020**
  Baycrest Health Center, Toronto, Canada
  Title: *"Neuroanatomy of the cerebral white matter"*
- **Mild Cognitive Impairment Conference** November 22, **2019**
  Faculty of Medicine, Chiang Mai University
  Title: *"Mild Cognitive Impairment (MCI) and the Fornix Study"*
- **Royal Golden Jubilee PhD Congress** May 16, **2019**
  RGJ-PhD University Forum, Chiang Mai, Thailand
  Title: *"Cerebral Blood Vessels and Dementia"*

Publications

- Latypov T.H., Wolfensohn A., Yakubov R., Li J., **Srisaikaew P.**, Jörgens D., Jones A., Colak E., Rudzicz F., Oh J., Hodaie M. (2024). Signatures of chronic pain in multiple sclerosis: a machine learning approach to investigate trigeminal neuralgia. PAIN. 10-1097.
- Tsai P., Latypov T.H., Hung P.S-P., Halawani A, **Srisaikaew P.**, Wang W., Zhang A.B., Walker M.R., Vergara G., Dabiri S., Hassannia F., Gordon K.A., Ibrahim G.M., Rutka J., Hodaie M. (2024). Structural Connectivity Changes in Unilateral Hearing Loss. Cerebral Cortex. 34(6).

- **Srisaikaew P.**, Chad J.A., Mahakkanukrauh P, Anderson N.D., Chen, J.J. (2023). Effect of sex on the APOE4-aging interaction in the white matter microstructure of cognitively normal older adults. Frontier in Neuroscience, 17, 219.
- Taranop V., Ruangrajitpakorn V, Praputpittaya P., Lippanon K., Tharnpipat R., Wongpakaran N., Wongpakaran T., **Srisaikeaw P.**, Mahakkanukrauh P., Varnado P., Yang T., Peisah C. (2022). Development of a Storytelling Examination for Early Mild Cognitive Impairment (Pre-MCI) Screening (STEEMS). Dementia and Geriatric Cognitive Disorders, 51(5), 412-420.
- **Srisaikaew, P.**, Wongpakaran, N., Anderson, N.D., Chen, J.J., Kothan, S., Varnado, P., Unsrisong, K., & Mahakkanukrauh, P. (2020). Fornix integrity is differently associated with cognition in healthy aging and non-amnestic mild cognitive impairment: A pilot diffusion tensor imaging study in Thai older adults. Frontiers in Aging Neuroscience, 12.
- **Srisaikaew, P.**, Vaniyapong, T., Das, S., & Mahhakranukrauh, P. (2020). Clinical Significance of Blood Supply of the Fornix of Brain: A Cadaveric Study. Sains Malaysiana, 49(2), 399-404.
- **Srisaikaew, P.**, Das, S., & Mahakkanukrauh, P. (2019). The Role of Fractional Anisotropy (FA) in Alzheimer's Disease and People without Alzheimer's: A Review. International Medical Journal, 26(4).
- Navic, P., **Srisaikaew, P.**, & Mahakkanukrauh, P. (2019). Age Estimation at Death Using Acetabulum: A Review. International Medical Journal, 26(6).
- Prathum, S., Ayuthaya, S. S. N., Wangpiriyapanich, K., Inphai, R., Boosuan, K., Pliannuom, S., Boondiskulchok, S., Mann, R.W., **Srisaikaew, P.**, & Mahakkanukrauh, P. (2018). Morphological Age Changes in the Knee Joint in Dry Bone. International Medical Journal, 25(3).
- Khomkham, P., Chotecharnont, W., Srinuan, P., Suriyasathaporn, J., **Srisaikaew, P.**, Inchai, C., Mann, R.W., & Mahakkanukrauh, P. (2017). Association between age and acetabulum morphological changes in dry bones in the Thai population. Chiang Mai Medical Journal, 56(1), 21-28.

Manuscript Under Review / Under Revision / In Preparation

- (Under Review) Latypov T.H., Yakubovd R., Jörgen D., Tsai P., **Srisaikaew P.,** Hung PSP., Walker M.R., Tawfik M., Mikulis D., Rudzicz F., and Hodaie M. Stratification of Surgical Outcomes in Trigeminal Neuralgia using multimodal data. Brain.
- (Under Review) **Srisaikaew P.**, Joergen D., Latypov T.H., Wang W., Walker M.R., Hodaie M. Microstructural alterations of the human fornix in trigeminal neuralgia. The Journal of Pain.
- (Under Revision) **Srisaikaew P.**, Kothan S, Wongpakaran N, Anderson N.D., Varnado P, Gomonchareonsiri S, Unsrisong K, Mahakkanukrauh P. A Pilot Study of Cerebral Proton Magnetic Resonance Spectroscopy (^{1}H-MRS) Metabolites and Cognition in Older Adults with Non-amnestic Mild Cognitive Impairment. NMR in Biomedicine.
- (In submission) Li J., Sohng K., Latypov T.H., Noorani A., **Srisaikaew P.**, Hung PSP., Joergen D., Hodaie M. Age and Sex Dependent Hippocampal Renormalization After Microvascular Decompression for Trigeminal Neuralgia. Nature Machine Intelligence.
- (In preparation) Adhamidhis E., **Srisaikaew P.**, Li J., Latypov T.H., Kim J., Hodaie M. Changes in Cortical Thickness with Surgical Response in Trigeminal Neuralgia Patients. PAIN.
- (In preparation) Li J., Latypov T., **Srisaikaew P.**, Hodaie M. Regional Hippocampal Signatures of Accelerated Brain Aging in Trigeminal Neuralgia.
- (In preparation) **Srisaikaew P.**, Latypov T.H., Hodaie M. Pain-related cortical thickness regions alteration in patients with trigeminal neuralgia following surgical pain relief. Pain.
- (In preparation) **Srisaikaew P.**, Latypov T.H., Noorani A., Wang W., Hodaie M. Assessment of Amygdala Nuclei Volume in Trigeminal Neuralgia Patients After Pain Relief. Pain.

- (In preparation) Noorani A., Hung P.S-P., Hanycz S., **Srisaikaew P.**, Walker M.R., Hodaie M. Hypothalamic abnormalities in trigeminal neuralgia.

Conferences Presentations (Presenter and First Author)

- *"Dynamics of Cortical Thickness Alterations in Patients with Chronic Pain"* at the **2024 OHBM Annual Meeting**, the COEX Convention and Exhibition Center, Seoul, South Korea, June 23-27, 2024.
- *"Dynamics of Cortical Thickness Alterations in Patients with Chronic Pain"* at the **UTCSP Annual Scientific Meeting and Human Pain Seminar Series Summit**, Hart House, University of Toronto, March 18-20, 2024 AND at the **NEURONTO 2024**, June 4, 2024.
- *"The impact of trigeminal neuralgia pain on the hippocampus and its major efferent pathway"* at The IASP Neuropathic Pain Special Interest Group **(NeuPSIG) 2023**, Lisbon Congress Centre, Lisbon, Portugal, September 7-9, 2023, and at Neuroscience 2023 - **Society for Neuroscience (SfN)** at the Walter E. Washington Convention Centre, Washington DC, November 11-15, 2023.
- *"Amygdala Nuclei Volume Abnormalities in Trigeminal Neuralgia"* at the **2023 OHBM Annual Meeting**, Palais des congrès de Montréal, Montréal, Canada, July 22-26, 2023.
- *"Assessment of Amygdala Nuclei Volume in Trigeminal Neuralgia Patients After Pain Relief"* at the **University of Toronto Centre for the Study of Pain (UTCSP**) 2023 Scientific Meeting, Hart House, University of Toronto, Toronto, Canada, March 20, 2023.
- *"Assessment of Hippocampal Subfields and Amygdala Nuclei Volume in Trigeminal Neuralgia Patients After Pain Relief"* at **Neuroscience 2022** - Society for Neuroscience (SfN) at the San Diego Convention Center, San Diego, California, November 12-16, 2022.
- *"Trigeminal Neuralgia Pain Relief Results in Normalization of Hippocampal Subfields and Amygdala volumes"* at the 19th Biennial Meeting of **the World Society for Stereotactic & Functional Neurosurgery (WSSFN 2022)** at Songdo Convensia, Incheon, Korea, September 4-7, 2022.
- *"The Impact of Chronic Pain on Fornix White Matter Microstructure"* at the **2022 OHBM Annual Meeting**, Scottish Event Campus, Glasgow, Scotland, UK, June 19-23, 2022.
- *"Fornix Integrity and Its Association with Cognition: A Pilot DWI Study in Thai Older Adults"* at the **2021 OHBM Annual Meeting**, Online, June 21-25, 2021.
- *"Effect of age on white matter microstructure in nondemented ApoE4 carriers and non-carriers"* at **ISMRM & SMRT Annual Meeting & Exhibition** - An Online Experience, May 15-20, 2021.
- *"Fornix Integrity and Fiber Length as a Dementia Biomarker: A Pilot Diffusion Tensor Imaging (DTI) Study in Thai Older Adult"* at the 2020 **Rotman Research Institute (RRI) Conference** - Aging & Brain Health: Mental, March 9-11, 2020, at Rotman Research Institute, Baycrest Health Center, Ontario, Toronto, Canada.
- *"Cerebral blood vessels and its associated link with dementia"* at the 8th **Asia Pacific International Congress of Anatomists (APICA)**, October 28 -31, 2018, in Busan, South Korea.

Relevant / Contributed Projects Presentations

- Poster presentation: *"Changes in Cortical Thickness with Surgical Response in Trigeminal Neuralgia Patients"* by Adhamidhis E., **Srisaikaew P.**, Li J., Latypov T.H., Kim J., Hodaie M. at Neuroscience 2024 - Society for Neuroscience (SfN) at McCormick Place Convention Center in Chicago, October 5-9, 2024.
- Podium Oral/Poster presentation: "Brain Volume Normalization After Pain Relief in Trigeminal Neuralgia Using Machine Learning" by Sun J., Li J., Latypov T.H., **Srisaikaew P.**, Jörgens D., Wu M., Hodaie M. at CRANIA 2024 Conference, BMO Conventional Centre, Toronto Western Hospital, October 10, 2024.

- Poster presentation: “Hippocampal Volumes Predict Greater Brain Age in Trigeminal Neuralgia.” by Li L, Latypov T., **Srisaikaew P.**, Hodaie M. at International Association for the Study of Pain (IASP) 2024 World Congress on Pain. Amsterdam, Netherlands, August 5-9, 2024.
- Poster presentation: *“Brain gray matter signatures of chronic facial pain in multiple sclerosis.”* Latypov T., Wolfensohn A., Yakubov R., Li J., **Srisaikaew P.**, Jörgens D., Jones A., Guenette M., Colak E., Rudzicz F., Oh J., Hodaie M. at International Association for the Study of Pain (IASP) 2024 World Congress on Pain. Amsterdam, Netherlands, August 5-9, 2024.
- Poster presentation: *“Regional Hippocampal Signatures of Accelerated Brain Aging in Trigeminal Neuralgia.”* by Li L, Latypov T., **Srisaikaew P.**, Hodaie M. at Institute of Medical Science (IMS) Scientific Day 2024, Toronto, Canada, April 25, 2024.
- Poster presentation: *“*Accelerated Brain Aging in Trigeminal Neuralgia Predicted by Hippocampal Subfields.” by Li L, Latypov T., **Srisaikaew P.**, Hodaie M. at University of Toronto Centre for the Study of Pain (UTCSP) Annual Scientific Meeting 2024. Toronto, Canada, March 19, 2024.
- Poster presentation: *“An artificial intelligence-driven magnetic resonance imaging synthesis framework.”* By Latypov T., Tawfik M., Jörgens D., **Srisaikaew P**, Fine B., Alcaide-Leon P., Mikulis D., Rudzicz F., Hodaie M. at TCAIREM AI in Medicine conference, Toronto, Ontario, Canada, October 12-13, 2023.
- Poster presentation: *“Stratification of Trigeminal Neuralgia Surgical Outcomes Using Multimodal Data and Machine Learning.”* by Latypov T., Yakubov R., Jörgens D., **Srisaikaew P.**, Walker M., Tawfik M., Rudzicz F., Hodaie M. at NeuPSIG 2023, Lisbon, Portugal, September 7-9, 2023.
- Poster presentation: *“An artificial intelligence-driven magnetic resonance imaging reconstruction framework.” by* Latypov T., Tawfik M., Jörgens D., **Srisaikaew P**., Fine B., Alcaide-Leon P., Mikulis D., Rudzicz F., Hodaie M. at Society for Neuroscience (SfN) Neuroscience 2023, Washington DC, USA, November 11-15, 2023.
- Poster presentation: *“Age and Sex Dependent Hippocampal Renormalization After Microvascular Decompression for Trigeminal Neuralgia”* by Li J., Sohng K., Latypov T.H., Noorani A., **Srisaikaew P.**, Hung PSP., Joergen D., Hodaie M., at Neuroscience 2023 - Society for Neuroscience (SfN) at the Walter E. Washington Convention Centre, Washington DC, USA, November 11-15, 2023.
- Podium Oral presentation: *“Investigating Facial Neuropathic Pain Secondary to Multiple Sclerosis Using Machine Learning”* by Wolfensohn A., Latypov T.H., Yakubov R., Li J., Jörgens D., **Srisaikaew P.**, Jones A., Guenette M., Colak E., Rudzicz F., Oh J., Hodaie M., at Summer Undergraduate Research Program, Institute of Medical Science, University of Toronto, Hart House, Toronto, Canada, August 17, 2023.
- Poster presentation: *“Exploring Metacognition in Chronic Pain: A Pilot Study in Healthy Volunteers”* by Bui E., **Srisaikaew P.,** Hodaie M., at Summer Undergraduate Research Program, Institute of Medical Science, University of Toronto, Hart House, August 17, 2023. (Supervised summer student)
- Poster presentation: *“An artificial intelligence driven magnetic resonance imaging synthesis framework”* by Latypov T.H., Tawfik M, Joergen D., Tsai P., **Srisaikaew P.**, Alcaide Leon P., Fine B., Mikulis D., Rudzicz F., Hodaie M., at the 2023 OHBM Annual Meeting, Montréal, Canada, July 22-26, 2023.
- Poster presentation: “*Improving the efficiency of entrusted professional activities completion in surgical education using integrated microlearning and surgical logs”* by Tsang Zack, **Srisaikaew P**., et al. at the 2023 International Conference on Residency Education (ICRE).
- Poster presentation: *“Hippocampal microstructural abnormality in obesity”* by Shaun H., Noorani A., *Srisaikaew P.*, Hung PSP., Walker M.R., Hodaie M., at 15th Annual Meeting Canadian Association for Neuroscience 2022.
- Poster presentation: *“Microstructural properties in the area of neurovascular conflict in trigeminal neuralgia”* by Joergen D., Hung PSP., **Srisaikaew P**, Latypov T.H., Hodaie M., at Neuroscience 2022 - Society for Neuroscience (SfN) at the San Diego Convention Center, San Diego, California, November 12-16, 2022.

- Poster presentation: *"Establishment of the Centre for Advanced Neurosurgical Diagnostics Innovation in Pain - a multidimensional database for patients with chronic pain"* by Walker M.R., **Srisaikaew P.** (presenter), Jörgens D., Latypov T.H., Davis K.D., Honey C.,, Morin C.I., Lorello G.R., McAndrews M.P., Mikulis D.J., Moayedi M., Rudzicz F., Sankar T., Seminowicz D.A., Uludag K., Zadeh G., Hodaie M., at Neuroscience 2022.
- Poster presentation: *"Microstructural properties in the area of neurovascular conflict in trigeminal neuralgia"* Joergen D., Hung PSP., **Srisaikaew P**, Latypov T.H., Hodaie M., at the 19th Biennial Meeting of the World Society for Stereotactic & Functional Neurosurgery (WSSFN 2022) at Songdo Convensia, Incheon, Korea, September 4-7, 2022.
- Poster presentation: *"Establishment of the Centre for Advanced Neurosurgical Diagnostics Innovation in Pain (CANDIP) - a multidimensional database for patients with chronic pain"* by Walker M.R., **Srisaikaew P.** (as a presenter), Jörgens D., Latypov T.H., Davis K.D., Honey C.,, Morin C.I., Lorello G.R., McAndrews M.P., Mikulis D.J., Moayedi M., Rudzicz F., Sankar T., Seminowicz D.A., Uludag K., Zadeh G., Hodaie M., at the 19th Biennial Meeting of the World Society for Stereotactic & Functional Neurosurgery (WSSFN 2022) at Songdo Convensia, Incheon, Korea, September 4-7, 2022.
- Poster presentation*: "Microstructural Properties in Bilateral Neurovascular Conflict in Trigeminal Neuralgia"* by Joergen D., Hung PSP., **Srisaikaew P**, Latypov T.H., Hodaie M., at Krembil Research Day 2022, Krembil Research Institute, Toronto Western Hospital.