

Canadian Society for Pharmaceutical Sciences is pleased to offer trainee awards for best poster presentations by **CSPS members**. Candidates must be members of CSPS, and may be a graduate student or postdoctoral fellow in industry, government, academia, or research institutes, as well as medical residents. In addition, there is one award for the best undergraduate poster award. Posters are evaluated on presentation, scientific merit, discovery, innovation, and contribution.

2022 CSPS Poster Award Recipients

Antoine A. Noujaim Award of Excellence – sponsored by the University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences (\$1,000) – **Mukta Moni** (University of Manitoba) – *Pharmacological Blocking of Interleukin-1 β Signaling Pathway Reduces Amyloid-Induced β -Cell Toxicity in Human Islets*

Drug Delivery Award – sponsored by Drs. Kishor and Ellen Wasan (\$1,000) – **Malaz Yousef** (University of Alberta) *In-vitro Model to Forecast the Lymphatic Uptake/Inhibition of Drugs via Chylomicrons*

CSPS Memorial Poster Award 2022 – sponsored by CSPS (\$600) – **Hamdah Al Nebaihi** (University of Alberta) *Pharmacokinetics of cycloheximide in rats and evaluation of its effect as a blocker of intestinal lymph absorption*

Trainee Poster Award – sponsored by CSPS (\$600) – **Saniya Alwani** (University of Saskatchewan) *Smart nanodiamonds as carriers for gene therapy: Introducing pH sensitivity in carrier design to modulate intracellular gene transfer by diamoplexes*

Trainee Poster Award – sponsored by CC-CRS (\$250) – **Parnian Mehinrad** (University of Alberta) *Repurposing Pyronaridine as a novel inhibitor of heterodimeric ERCC1-XPF DNA endonuclease complex for targeted sensitization of colorectal cancer to platinum-based chemotherapeutics*

Trainee Poster Award – sponsored by CC-CRS (\$250) – **Amrita Dikpati** (Université Laval) *Ensuring safety of polymeric nanoparticles via biodegradation and elimination studies*

Trainee Poster Award – sponsored by CSPS (\$300) – **Jade Gauvin** (Université de Montréal) *Investigating the anti-atherosclerotic effects of a cyclic azapeptide, MPE-298, ligand of CD36/SR-B2 in hypercholesterolemic apolipoprotein E-deficient mice*

Trainee Poster Award – sponsored by CSPS (\$300) – **Vishal Sangha** (University of Toronto) *Protective Effects of Pyrroloquinoline Quinone in Folate-Deficient Glial Cells*

Undergraduate Trainee Poster Award – sponsored by CSPS (\$200) – **Olivia Perry** (Memorial University of Newfoundland) *Quantification of Neurovasculature Changes in a Post-Hemorrhagic Stroke Animal-Model*

2021 CSPS Poster Award Recipients

Antoine A. Noujaim Award of Excellence – sponsored by the University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences (\$1,000) – **Lie Yun Kok** (University of Toronto)
– *Development of a digestion-resistant self-nanoemulsifying drug delivery system for the oral delivery of cannabidiol*

CSPS Award in Lipid-Based Drug Delivery – sponsored by Drs. Kishor and Ellen Wasan (\$1,000) – **Maximilian Regenold** (University of Toronto) *Vinorelbine Loaded Thermosensitive Liposomes Improve Efficacy in Murine Xenograft Model of Rhabdomyosarcoma*

CSPS Memorial Poster Award 2021 – Dedicated in 2021 to Dr. Laszlo Endrenyi (\$600)
– **Daniela Amaral Silva** (University of Alberta) *BCS-based biowaiver using biphasic dissolution test*

Trainee Poster Award – sponsored by CSPS (\$600) – **Ahlem Meziadi** (Institut National de la recherche scientifique INRS) *overcoming the challenge of poor efficiency in bio conjugation reactions by physical approach*

Trainee Poster Award – sponsored by CC-CRS (\$500) – **Md H. Rashid** (University of Alberta) *Myeloperoxidase (MPO)-mediated oxidation of quetiapine and clozapine: Capability of MPO + Cl⁻ in cytochrome P450-like reaction on quetiapine*

Trainee Poster Award – sponsored by CC-CRS (\$500) – **Nojoud Al Favez** (University of British Columbia) *Reduced Primaquine hemolytic toxicity of red blood cells and improved liver delivery by phospholipid-free small unilamellar vesicles*

2019 CSPS Poster Award Recipients

Noor Al-Saden, University of Toronto
Trastuzumab-DM1 Affects the Vasculature of Tumour Microenvironment Causing Enhanced Delivery of ⁶⁴Cu-NOTA-Pertuzumab Fab Visualized by MicroPET/CT Imaging

Amanda Greenwell, University of Alberta
Cardiac Glucose Oxidation Rates are Impaired and a Possible Pharmacological Target for Mitigating Heart Failure in Barth Syndrome

Reka Geczy, University of British Columbia
Microfluidic Approaches for the Production of Monodisperse, Superparamagnetic Microspheres in the Low Micrometer Size Range

Mohadeseh Majdi Yazdi, University of Saskatchewan
Assay Development for Screening Inhibitors of Dihydrodipicolinate Synthase from Campylobacter jejuni

Jadin Chadade, University of Alberta (Undergrad Award)
Skeletal Muscle Ketone Body Metabolism Regulates Glycemia During Experimental Obesity

2018 CSPS Poster Award Recipients

Samaa Alrushaid, University of Manitoba
In silico, in vitro and in vivo Pharmaceutical Investigations of a Novel Skeletal Regenerator

Robin Sachdeva, University of Heidelberg
Loss of Cation Channels of the TRPC Family Protects Against the Development of Retinopathy in the STZ Model and Accumulation of Reactive Metabolites

Amila Omeragic, University of Toronto
Role of Peroxisome Proliferator-activated Receptor-gamma (PPAR-gamma) in Regulating Inflammatory Signalling in Acute and Chronic Rodent Models of HIV-1 Associated Brain Inflammation

Camille Alam, University of Toronto
Upregulation of Reduced Folate Carrier (RFC) by Vitamin D Enhances Folate Uptake at the Blood-brain Barrier (BBB)

Wendy Siu, University of Toronto (Undergrad Award)
Examining the Cholesterol Synthetic Pathway in the Search for New Druggable Targets for Glioblastoma

2017 CSPS Poster Award Recipients

Zaid Almaayah, Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta
Daunorubicin Induces Cardiotoxicity through a Soluble Epoxide Hydrolase-mediated Epoxyeicosatrienoic Acid Degradation Dependent Mechanism

Aysha Ansari, Dept. of Chemical & Materials Engineering, Faculty of Engineering, University of Alberta
Customizing Lipopolymers for Efficient siRNA Delivery to Different Leukemia Cells

Seyed Amirhossein Tabatabaei Dakhili, Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta
Novel & Selective FOXM1 Transcriptional Program Suppressors

Matthew Lamont, Memorial University of Newfoundland

Adolescent Binge Drinking Causes Long-term Impairments to: Object Memory, Anxiety Regulation, and Cerebellar Based Motor Control in a Rodent Model

Killol Chokshi, Memorial University of Newfoundland

Characterizing the Molecular Signaling Pathways in the Cerebral Arteries of Stroke-prone Spontaneously Hypertensive Rats (SHRsp) Before and After Stroke

Arman Moini Jazani, Concordia University, Montréal (\$500)

Dual Reduction/acidic pH-responsive Block Copolymer Micelles: Synthesis, Self Assembly and Stimuli Responsive Enhanced Release

Steven Choi, University of Toronto (Undergrad Award)

Peroxisome Proliferator-Activated Receptor Gamma (PPAR- γ): Potential Therapeutic Target in HIV-1 Associated Brain Inflammation and Excitotoxicity