Full profile
Plný profil

Gaal Dornick, Ph.D.

gaal.dornick@uochb.cas.cz +420 777 999 999
+420 222 333 444

Personal information / Osobní informace
Links to your other profiles / Odkazy na vaše další profily

POSTDOCTORAL FELLOW

Hari Seldon Group 〉
Computational future history

Personal information / Osobní informace
Job title / Název pozice

Profile

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum

Introduction & CV / Představení a životopis
Section / Oddíl: “Free text / Volný text”
– without the heading / bez názvu

EDUCATION

2022–2026	Ph.D. in Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa.
2020–2022	M.Sc. in Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa.
2017–2020	Bc. in Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa.

Introduction & CV / Představení a životopis
Section / Oddíl: "Table / Tabulka"
"In columns / Ve sloupcích" + title in /název
v "Section heading / Název oddílu"

APPOINTMENTS

Since 2027 –
Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit

2026 – 2027
Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit

2022 – 2026
Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit

Load more 〉

Introduction & CV / Představení a životopis
Section / Oddíl: "Table / Tabulka"
"In rows / V řadách" + title in /název
v "Section heading / Název oddílu"

AWARDS

〉 **2026:** Lorem ipsum dolor sit amet
〉 **2025:** Lorem ipsum dolor sit amet
〉 **2024:** Lorem ipsum dolor sit amet
〉 **2023:** Lorem ipsum dolor sit amet

Load more 〉

Introduction & CV / Představení a životopis
Section / Oddíl: "Free text / Volný text"
+ title in /název v "Section heading / Název oddílu"

Text with bullets / Text s odrážkami

RESEARCH TOPICS

〉 Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis.
〉 Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis.
〉 Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis.

Introduction & CV / Představení a životopis
Section / Oddíl: "Free text / Volný text "
+ title in /název v "Section heading / Název oddílu"

text with bullets / text s odrážkami

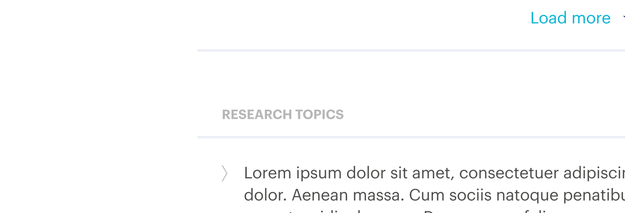
OTHER LINKS

Personal homepage 〉

Other links / Další odkazy

Selected publications

All publications



Photoelectron spectra of alkali metal–ammonia microjets: From blue electrolyte to bronze metal

T. Buttersack P. E. Mason R. S. Mcmullen H. C. Schewe T. Martinek K. Březina M. Crhán A. Gomez D. Hein G. Wartner R. Seidel H. Ali + 5 more

Science **368** (6495): 1086-1091 (2020)

Experimental studies of the electronic structure of excess electrons in liquids—archetypal quantum solutes—have been largely restricted to very dilute electron concentrations. We overcame this limitation by applying soft x-ray photoelectron spectroscopy to characterize excess electrons originating from steadily increasing amounts of alkali metals dissolved in refrigerated liquid ammonia microjets. As concentration rises, a narrow peak at ~2 electron volts, corresponding to vertical photodetachment of localized solvated electrons and dielectrons, transforms continuously into a band with a sharp Fermi edge accompanied by a plasmon peak, characteristic of delocalized metallic electrons. Through our experimental approach combined with ab initio calculations of localized electrons and dielectrons, we obtain a clear picture of the energetics and density of states of the ammoniated electrons over the gradual transition from dilute blue electrolytes to concentrated bronze metallic solutions.

Go to the publication 〉

Functional identification of potential non-canonical N-glycosylation sites within $Ca_v3.2$ T-type calcium channels

V. Ficelová I. A. Souza L. Cmarko M. A. Gandini R. N. Stringer G. W. Zamponi N. Weiss

Molecular Brain **13**: 149 (2020)

Go to the publication 〉

Synthesis, Photophysical Properties, and Biological Profiling of Benzothieno-Fused 7-Deazapurine Ribonucleosides

C. Yang R. Pohl M. Tichý S. Gurská P. Pavliš P. Džubák P. Džubák M. Hajdúch + 1 more

Journal of Organic Chemistry **85** (12): 8085–8101 (2020)

Go to the publication 〉

Nelfinavir Inhibits the TCF11/Nrf1-Mediated Proteasome Recovery Pathway in Multiple Myeloma

D. Fassmannová F. Sedlák J. Sedláček I. Špička K. G. Šašková

Cancers **12** (5): 1065 (2020)

Go to the publication 〉

Show selected publications / Zobrazit vybrané publikace

+ "Add leading paper with graphical abstract/ Přidat hlavní publikaci s grafickým abstraktem"
+ "Another publication / Další publikace"

Latest publications

All publications

Metabolic profiling of the fission yeast *S. pombe*: quantification of compounds under different temperatures and genetic perturbation

T. Pluskal T. Nakamura A. Villar-Briones M. Yanagida

Molecular BioSystems **6** (1): 182-198 (2010)

Go to the publication 〉

Synergistic roles of the proteasome and autophagy for mitochondrial maintenance and chronological lifespan in fission yeast

K. Takeda T. Yoshida S. Kikuchi K. Nagao A. Kokubu T. Pluskal A. Villar-Briones T. Nakamura + 1 more

Proceedings of the National Academy of Sciences of the United States of America **107** (8): 3540-3545 (2010)

Go to the publication 〉

MZmine 2: Modular framework for processing, visualizing, and analyzing mass spectrometry-based molecular profile data

T. Pluskal S. Castillo A. Villar-Briones M. Orešič

BMC Bioinformatics **11**: 395 (2010)

Go to the publication 〉

Specific biomarkers for stochastic division patterns and starvation-induced quiescence under limited glucose levels in fission yeast

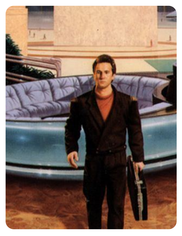
T. Pluskal T. Hayashi S. Saitoh A. Fujisawa M. Yanagida

FEBS Journal **278** (8): 1299-1315 (2011)

Go to the publication 〉

A partially filled out profile

Částečně vyplněný profil



Gaal Dornick, Ph.D.

gaal.dornick@uochb.cas.cz
+420 222 333 444

Personal information / Osobní informace
Links to your other profiles / Odkazy na vaše další profily

POSTDOCTORAL FELLOW

Hari Seldon Group
Computational future history 〉

Personal information / Osobní informace
Job title / Název pozice

Profile

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum

Introduction & CV / Představení a životopis
Section / Oddíl: “Free text / Volný text”
– without the heading / bez názvu

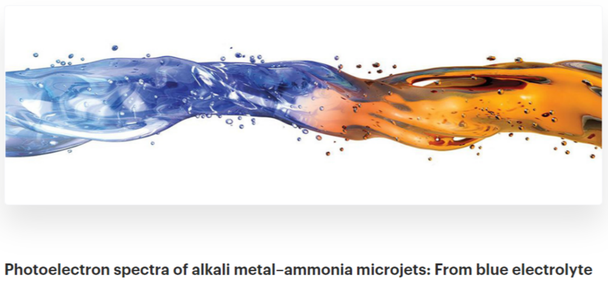
EDUCATION

2022–2026	Ph.D. in Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa.
2020–2022	M.Sc. in Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa.
2017–2020	Bc. in Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa.

Introduction & CV / Představení a životopis
Section / Oddíl: "Table / Tabulka"
"In columns / Ve sloupcích" + title in /název v "Section heading / Název oddílu"

Selected publications

All publications



Photoelectron spectra of alkali metal–ammonia microjets: From blue electrolyte to bronze metal

T. Buttersack P. E. Mason R. S. Mcmullen H. C. Schewe T. Martinek K. Březina M. Crhán A. Gomez D. Hein G. Wartner R. Seidel H. Ali + 5 more

Science **368** (6495): 1086-1091 (2020)

Experimental studies of the electronic structure of excess electrons in liquids—archetypal quantum solutes—have been largely restricted to very dilute electron concentrations. We overcame this limitation by applying soft x-ray photoelectron spectroscopy to characterize excess electrons originating from steadily increasing amounts of alkali metals dissolved in refrigerated liquid ammonia microjets. As concentration rises, a narrow peak at ~2 electron volts, corresponding to vertical photodetachment of localized solvated electrons and dielectrons, transforms continuously into a band with a sharp Fermi edge accompanied by a plasmon peak, characteristic of delocalized metallic electrons. Through our experimental approach combined with ab initio calculations of localized electrons and dielectrons, we obtain a clear picture of the energetics and density of states of the ammoniated electrons over the gradual transition from dilute blue electrolytes to concentrated bronze metallic solutions.

Go to the publication 〉

Functional identification of potential non-canonical N-glycosylation sites within $Ca_v3.2$ T-type calcium channels

V. Ficelová I. A. Souza L. Cmarko M. A. Gandini R. N. Stringer G. W. Zamponi N. Weiss

Molecular Brain **13**: 149 (2020)

Go to the publication 〉

Synthesis, Photophysical Properties, and Biological Profiling of Benzothieno-Fused 7-Deazapurine Ribonucleosides

C. Yang R. Pohl M. Tichý S. Gurská P. Pavliš P. Džubák P. Džubák M. Hajdúch + 1 more

Journal of Organic Chemistry **85** (12): 8085–8101 (2020)

Go to the publication 〉

Nelfinavir Inhibits the TCF11/Nrf1-Mediated Proteasome Recovery Pathway in Multiple Myeloma

D. Fassmannová F. Sedlák J. Sedláček I. Špička K. G. Šašková

Cancers **12** (5): 1065 (2020)

Go to the publication 〉

Show selected publications / Zobrazit vybrané publikace

+ "Add leading paper with graphical abstract/ Přidat hlavní publikaci s grafickým abstraktem"
+ "Another publication / Další publikace"

An empty profile with the photo

Prázdný profil s fotkou

Gaal Dornick

gaal.dornick@uochb.cas.cz

+420 222 333 444

Personal information / Osobní informace
Links to your other profiles / Odkazy na vaše další profily

Hari Seldon Group
Computational future history 〉