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Alessandro	Bartolucci	Minneapolis	MN	USA	University of Minnesota	Medical School	Integrative Biology and Physiology	Professor	https://bartolucci.umd.uminn.edu/	Mus, stress, aging, adipose, peptides, senseance, hormones, brain	
Matteo	Fazio	Minneapolis	MN	USA	University of Minnesota	Computer Science & Engineering	Assistant Professor	https://www.seas.umn.edu/~mfazio/	Software Engineering, Software Testing, Software Maintenance, Mobile Apps	The student will be involved in research activities related to a project in software testing or software	The student should have or should be pursuing a degree in Computer Science or Computer Engineering and have taken a graduate course in Software Engineering
Paulo	Croci	New Haven	CT	USA	Yale University	Physics	Professor of Astronomy and Physics	https://www.astr.yale.edu/people/	Astronomy, Astrophysics, High-Energy Astrophysics, Compact Objects, Time Domain Astronomy, AGN	good computing skills, and for observing projects some knowledge of machine learning/statistics would also be useful	good computing skills, and for observing projects some knowledge of machine learning/statistics would also be useful
Shafiq	Mansoor	Softwade	MD	USA	NHI National Institutes of Health	NINDS National Institute of Mental Health	Internal research program	MD	https://www.nimh.nih.gov/research/research-conductors/	neuroscience, human brain, postmortem, molecular, fMRI-sc, epigenetics, single cell, proteomics	bioinformatic analysis of genomic data derived from next-generation sequencing and other
Felix	Comte	Montreal	QC	Canada	Université de Montréal		Computer Science and Engineering	John D. New Professor	https://www.polymtl.ca/en/research/	Conducting polymers, biomimetic engineering, self-healing materials, nanotubes, thin films, printed electronics	basic knowledge of materials chemistry
Danilo	Eniola	Chicago	IL	USA	University of Illinois Chicago		Electrical and Computer Engineering	Professor	https://eniola.illinois.edu/	antenna design, self-interference cancellation, drone mounted ground penetrating radar, smart electromagnetic	
Elise	Baccaro	Cincinnati	OH	USA	Cincinnati Children's Hospital		Department of Pediatrics	Professor	https://www.cincinnatichildrens.org/research/divisions/elise/	Vascular biology, cell signaling, mouse models, therapeutics	Vascular anomalies are congenital defects affecting blood and lymphatic vessel development
Adrien	Di Cristofano	Boston	NY	USA	Albert Einstein College of Medicine		Developmental and molecular biology	Professor	https://www.google.com/search?q=adrien+di+cristofano	Cancer Biology, mouse models, PDX, NGS, Metabolism, TCRs Therapeutics	
Luca	Marzoni	Columbus	OH	USA	Ohio State University Wexner Medical Center		Department of Neurology	Professor	https://www.medical.osu.edu/honors/luca/	Parkinson's disease, motor control, wearable sensors, abnormal movements, gait	Desirable but not required: courses in calculus, computer programming in python
Leah	Baranowski	New York City	NY	USA	West Cornell Medicine		Radiation Oncology	Professor	https://www.radiationoncology.mcgill.ca/	IMRT, antigen processing and presentation, immunoprotection	Learn basic principles of MHC presentation, elution and immunoprotection relevance to adaptive
Samira	Dumais	New York City	NY	USA	West Cornell Medicine		Radiation Oncology	Professor	https://www.radiationoncology.mcgill.ca/dumais/	cancer immunotherapy, combination therapy, radiation-induced in situ vaccination, breast cancer, translational	some knowledge of immunology and basic skills in tissue culture, flow cytometry, molecular biology techniques but skills in computational biology are also very valued
Flavia	Viale	Philadelphia	Pennsylvania	USA	University of Pennsylvania		School of Engineering, School of Medicine	Bioengineering, Neurology	https://viale.med.upenn.edu/	Neuroengineering, Bioelectronics, Brain Machine Interfaces	Engineering
William	Conrad	South Chicago	New	USA	Seaton Hall University		College of Arts and Sciences	History Department	https://www.shu.edu/collegeofartsandsciences/	history, Italian Renaissance, Renaissance, immigration, religious dissent, Machiavelli, Erasmus	Good language skills. Some of our projects involve digitization, the transcription of older documents, the creation of web pages for historical material
Francesco	Venema	Houston	TX	USA	University of Texas	MD Anderson Cancer center	Cancer Prevention and Population Sciences	Professor	https://www.mda.mcgill.ca/people/francesco-venema/	addiction, obesity, brain imaging, neuroendocrinology, event-related potentials, fMRI, TMS, emotion, motivation	Knowledge of ERP/ERP/TMS data collection and analysis
Alessandro	Adibwari	Houston	TX	USA	Academia	Rice University	Applied Physics	Assistant Professor	https://www.rice.edu/~adibwari/	Quantum Engineering, Quantum Materials, Quantum Sensors, Nanoelectronics, Optics, Photonics, Plasmonics	Preferred background in physics, engineering physics, nanotechnology, optics, photonics, chemistry, chemical engineering, materials science
Mate	Prosser	Baltimore	Maryland	USA	Johns Hopkins University		School of Art and Science	Biophysics	https://www.jhu.edu/~prosser/	neuroimmunology, quantum biology, spin dynamics, quantum mechanics, computational linguistics	
Ricardo	Baldwin	Houston	TX	USA	University of Houston		Civil and Environmental Engineering	Professor	https://www.civil.uh.edu/~ricardo/	mechanics, materials, structures	
Francesco	Sigazzoli	Philadelphia	PA	USA	Thomas Jefferson University		Health Design	Adjunct Faculty	https://www.thomson.com/people/francesco-sigazzoli/	Architectures, Health Design, Sustainability, Architectural Representation, Exchange, 2-Weeks Workshops	Basic Knowledge of Architectural drawing both analog and digital
Vandana	Puri	Boston	MA	USA	Boston University		School of Medicine	Associate Professor	https://www.bu.edu/biology/people/vandana-puri/	molecular biology, genomics, infectiousness, metabolism	basic molecular biology skills
Flaviana	Palma	Fredrickson	NS	Canada	University of New Brunswick		Faculty of Computer Science	Associate Professor	https://www.unb.ca/faculty/flaviana-palma/	Empirical Software Engineering, Mining Software Repository, Design Quality, Patterns, Smells, API, Machine	
Matteo	Pomilio	New York	NY	USA	Columbia University		Center For Host Pathogen Interaction	Assistant Professor	https://www.pomilio.columbia.edu/	Viral entry, immunology	
Guillermo	Soulier	West Lafayette	IN	USA	Purdue University		School of Industrial Engineering and School	Pedro and Barbara Granatello	https://engineering.purdue.edu/~gsoulier/	Operations Research, Optimization, Machine Learning, Artificial Intelligence, Decentralized Systems	Understanding the mechanism of parainfluenza virus entry and translational approaches
Wei	Song	Fredrickson	NS	Canada	University of New Brunswick		Faculty of Computer Science	Professor	https://www.unb.ca/faculty/wei-song/	Deep reinforcement learning, cooperative intelligence, graph neural networks, mobile networking	Details can be found on my webpage. At the high level the projects are related to conduct
Scott	Saleman	Fredrickson	NS	Canada	University of New Brunswick		Computer Science	Associate Professor	https://www.unb.ca/faculty/scott-saleman/	Human-computer interaction, mixed reality, human factors, collaboration, games, serious games	The project is related to how to plan and scheduling data collecting and learning tasks in future
George	Qian	San Diego	CA	USA	Scopus Research Translational Institute		Director of Artificial Intelligence		https://www.scopusresearch.com/	Digital Medicine, Artificial Intelligence, Foundation models, Cardiovascular care, Maternal health	Pyhton programming, fundamentals of machine learning
Antonio	Mancini	Carmel	SC	USA	Charmant University		Biological Sciences	Assistant Professor	https://www.charmant.edu/~antonio/	metformin, plant ecology, evolution, insect, microbial ecology, bioinformatics, intelligence	understanding of human-computer interaction research
Antonio	Palmieri	Pittsburgh	PA	USA	Carnegie Mellon University		College of Science	Department of Physics	https://www.cmu.edu/physics/people/faculty/palmieri/	gravitational waves, multimessenger astronomy, black holes, galaxy surveys, observational cosmology	You will collaborate in interdisciplinary research projects using artificial intelligence with the goal of
Piero	Torres	Toronto	ON	Canada	Toronto University		Department of Electrical and Computer	Full Professor	https://www.mcgill.ca/physics/people/faculty/torres/	Computational electromagnetics, electronic design, 3D integrated circuits, computational fluid dynamics	The candidate should be familiar with coding in python using large datasets. They should be familiar with artificial intelligence and advanced signal processing. They should be
Gilda	Corradini	Los Angeles	CA	USA	UCLA	Doheny Eye Institute	Research Scientist	https://www.doheny.ucla.edu/	Retina, retina imaging, functional imaging, oculocentric, ophthalmology, age related macular degeneration	My lab focuses on understanding the mechanisms behind pathological conditions in the retina and the	Programming skills, some astrophysics background
										Clinical research in cutting edge retinal imaging and the application of retina imaging for diagnosis	Ophthalmology internship