Natalia de Aguiar-Campos

einstein@example.com Princeton, NJ AlbertEinstein example example

Education

University of Zurich, Physics
Zurich, Switzerland
1900 – 1905
- Description 1.
- Description 2.

Eidgenössische Technische Hochschule, Physics
Zurich, Switzerland
1896 – 1900
- Description 1.
- Description 2.

Experience

Institute for Advanced Study, Princeton University, Professor of Theoretical Physics
Princeton University, NJ
1933 – 1955
22 years

Teaching at Palmer Physical Laboratory (now 302 Frist Campus Center). While not a professor at Princeton, I associated with the physics professors and continued to give lectures on campus.
- Relativity
- Description 2.

California Institute of Technology, Visiting Professor
Pasadena, California, US
1933 – 1933
1 year
- Description 1.
- Description 2.

Kaiser Wilhelm Institute for Physics, Director
Berlin, Germany
1917 – 1933
16 years

Karl-Ferdinand University, Professor of Theoretical Physics
Prague, Czechoslovakia
1911 – 1917
6 years

University of Zurich, Associate Professor of Theoretical Physics
Zurich, Switzerland
1909 – 1911
2 years

Volunteer

People's Climate March, Lead Organizer
Zurich, Switzerland
Apr 2014 – July 2015

Lead organizer for the New York City branch of the People's Climate March, the largest climate march in history.
- Awarded 'Climate Hero' award by Greenpeace for my efforts organizing the march.
- Men of the year 2014 by Time magazine

Awards

Research Training Scholarship 2023
Competitive full-ride PhD scholarship for international students in Australia.
James Cook University
www.jcu.edu.au/graduate-research-school/doctor-of-philosophy-candidates/postgraduate-research-scholarships/hdr-scholarships-for-international-candidates

Master's Scholarship 2018
Scholarship awarded to top-ranking students in Master's program selection.
Brazilian Federal Agency for Support and Evaluation of Graduate Education (CAPES)

Science Without Borders Scholarship 2015
Competitive scholarship for a one-year undergraduate exchange program in a foreign university.
Brazilian National Council for Scientific and Technological Development (CNPq)
www.gov.br/cnpq/pt-br/acesso-a-informacao/acoes-e-programas/programas/ciencia-sem-fronteiras

Young Talents for Science Scholarship 2013
Merit-based scholarship supporting early undergraduate involvement in scientific research..
Brazilian National Council for Scientific and Technological Development (CNPq)
www.gov.br/capes/pt-br/acesso-a-informacao/acoes-e-programas/bolsas/programas-estrategicos/outras-informacoes/programas-encerrados-estrategicos/jovens-talentos-para-a-ciencia

Publications

Crown exposure drives sap flow variability among nearly identical trees in a lowland tropical rainforest
Challenged a widespread assumption from water budget models that same-size trees have similar transpiration rates, which is estimated via sap flow. We found up to 10-fold variation in sap flow across trees and on average 34% variation within trees in a cohort of similar trees.
Natalia de Aguiar-Campos, Yoko F. Ishida, Will Edwards, Susan G. W. Laurance
www.authorea.com/doi/full/10.22541/au.177012032.27017055/v1

Tropical forest transpiration estimates are geographically, ecologically and methodologically biased: a systematic review of sap flow research
In this systematic review, we showed that sap-flow-based transpiration research in tropical forests has significant gaps and biases. It provides clear guidelines and recommendations to improve the tropical data gap in sap flow compilation initiatives such as SAPFLUXNET.
Natalia de Aguiar-Campos, Will Edwards, Susan G. W. Laurance
www.sciencedirect.com/science/article/pii/S0168192325003570

Old climatically-buffered infertile landscapes (OCBILs): more than harsh habitats, Atlantic Forest inselbergs can be drivers of evolutionary diversity
Felipe de Carvalho Araújo, Natalia de Aguiar-Campos, Cléber Rodrigo de Souza, Eduardo de Paiva Paula, Rubens Manoel dos Santos
link.springer.com/article/10.1007/s11629-021-7013-y

Skills

Physics

Languages

English
Fluent

Spanish
Conversational

Portuguese
Native speaker

Interests

Physics

Certificates

Machine Learning Jan 2018

Quantum Computing Jan 2018

Quantum Information Jan 2018

Projects

Phylogenetic conservatism in ecological dominance Jan 2018 – Jan 2018

Quantum computing is the use of quantum-mechanical phenomena such as superposition and entanglement to perform computation. Computers that perform quantum computations are known as quantum computers.

- Manipulation of large forest census data
- Manipulation of phylogenetic trees with R packages picante and ape
- Quantum Cryptography

References

Professor John Doe

Professor Jane Smith