Natalia de Aguiar-Campos

✉ einstein@example.com 📍 Princeton, NJ 𝕏 AlbertEinstein ⌂ example in 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

Sensitivity of South American tropical forests to an extreme climate anomaly

Amy C. Bennett, …, Natalia de Aguiar-Campos, …, Oliver Phillips

link.springer.com/article/10.1007/s11629-021-7013-y

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
Fluent

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