

SENIOR RESEARCH SCIENTIST

Summary

Highly organized senior research scientist with proven ability to lead and monitor complex projects involving multiple objectives, large teams, and multi-site collaborations, while remaining on schedule and within budget. Advanced knowledge in ecology, biodiversity surveys, statistical and geospatial analysis, and database management. Ability to convey information effectively to diverse target audiences. Excellent interpersonal skills, and a proven ability to thrive in fast-paced environments. Seeking a non-academic career in biodiversity conservation and management.

Highlights

Statistics R | R Studio | SPSS | JMP Pro | Stata Data mining & visualization + Generalized fixed & mixed-effects models + Generalized estimating equations + Randomization + Information Theory + Social network analysis + Non-parametric techniques GIS ArcGIS | QGIS | R | Google Earth Engine GPS tracking + Remote sensing & image classification + Raster & vector processing + Raster calculations + Zonal statistics + Home range analyses + Network connectivity + Map production Web design HTML | CSS | MySQL Office MS Word | MS Excel | MS PowerPoint | MS Access | Acrobat Pro | Google Drive

Experience

September 2013

to

Current

Merck & Co., Inc. Millsboro , DE Senior Research Scientist

- Oversee database management for the Jane Goodall Institute Research Center.
- Develop statistical and geospatial methods for analyzing chimpanzee ranging, habitat selection, and social behavior at Gombe National Park, Tanzania.
- Conduct independent research on chimpanzee behavioral ecology.
- Assist in grant writing and project reporting.
- Manage lab assistants, data entry, and archiving; advise graduate & undergraduate students.

August 2011

to

July 2013

Gfk Berlin , NH Term Assistant Professor

- Lectures & Labs in: Ecology, Statistics and Research Design, Animal Behavior.
- Mentored 13 undergraduate students on thesis research.
- Managed own independent collaborative research project and grants for work in South Africa.

July 2009

to

July 2013

Columbia University Evolution And Environmental Biology City , STATE Adjunct Lecturer

- Animal Behavior through Fieldwork.

October 2009

to

December 2011

Boston College & Wildlife Conservation Society City , STATE Research Associate

- Assessing the impacts of national parks on human livelihoods in Gabon.
- Socioeconomic analysis of bushmeat consumption.

August 2008

to

December 2009

Lehman College City , STATE Adjunct Lecturer

October 2007

to

October 2009

Center For International Earth Science Information Network Â· Earth Institute, Columbia University City , STATE Geospatial Research Assistant

- Conducted trend analysis of satellite-derived chlorophyll-a concentrations in global near-coastal waters as an indicator of change in water quality: sedac.ciesin.columbia.edu/es/seawifs.html.
- Helped develop global gridded species distribution maps for Amphibians, Birds, Mammals, for use in GIS analyses: sedac.ciesin.columbia.edu/species/.
- Helped develop a digital, public domain global road map under the name Global Roads Open Access Data Set, Version 1 (gROADSv1): sedac.ciesin.columbia.edu/data/set/groads-codata-roads-catalog-v1.

June 2008

to

August 2009

Baruch College City , STATE Adjunct Lecturer

- Principles of Ecology.

Work History

Company Name

Company Name

Company Name

Company Name

Company Name

Education

2009

Columbia University City , State PhD Ecology and Evolutionary Biology PhD Ecology and Evolutionary Biology

2005

Carolo-Wilhelmina University City , Germany Certificate Environmental Policy

2001

M.Sc : Applied Ecology Applied Ecology

Languages

English (fluent) | German (native speaker) | Spanish (beginner) | Swahili (beginner)

Publications

Foerster, S., Zhong, Y., Pintea, L., Wilson, M., Murray, C. & A.E. Pusey (in prep.): Predicting small-scale variation in chimpanzee habitat quality using maximum entropy species distribution models. Foerster, S., Wilkie, D., Morelli, G., Demmer, J., Starkey, M., Telfer, P., Steil, M., Lewbel, A. (2011): Correlates of bushmeat consumption among remote rural households in Gabon, Central Africa. Conservation Biology. Foerster, S., Wilkie, D., Morelli, G., Demmer, J., Starkey, M., Telfer, P. & M. Steil (2011): Human livelihoods and protected areas in Gabon: A cross-sectional comparison of welfare and consumption patterns. Oryx 45: 347-356. Foerster, S. (1994): [Dragonflies of Lake Wilsleben and its relevance for biodiversity conservation]. Naturschutz im Land Sachsen-Anhalt 31: 27-36. Full list of publications available at: research.steffenfoerster.com/publications

Personal Information

US Driver License

Additional Information

- Other Clean US Driver License

Skills

Accounting, Acrobat, Biology, Biostatistics, Budget, catalog, Oral, CSS, data entry, Data mining, database management, delivery, Endocrinology, English, estimating, German, GIS, GPS, Grant writing, grants, HTML, image, Leadership, Mark, mentoring, Access, MS Access, MS Excel, Office, MS PowerPoint, MS Word, MySQL, network analysis, Network, presentations, Project design, speaker, publication, reporting, Research, Research Design, Spanish, SPSS, Stata, Statistics, Surveys, teaching, trend, water quality, Web design