



Job opportunities / grants

→ PhD and Postdoc position in genomics of Atlantic Salmon Institute of Marine Research, CSIC, Spain



Both positions will be framed within interdisciplinary project OLDSALMO: Testing temporal genomic shifts in exploited fish populations using ancient and environmental DNA. OLDSALMO is a 4-year project funded by the ATRAE programme that will use Atlantic salmon as study species to develop novel approaches to assess the roles of overfishing and climate change in population declines. For this, we will compare ancient, historical and contemporary genomic variation over a continuous evolutionary timeline since the Pleistocene. We will focus on 3 periods of dramatic changes in temperature (during and after the last glacial maximum) and increasing fishing pressures (over the last 75 years), to assess whether the effects of climate change and overfishing are synergic and accelerate the loss of genomic diversity in fish populations. We will also develop and validate novel non-destructive tools based on environmental DNA to assess changes in genetic diversity of threatened salmon population (loss of allelic diversity, decrease in effective population size).

More information [here](#).

→ PhD and postdoc position in biogeography/ecology of freshwater plants Faculty of Science, Geography, University of Oulu, Finland



We are looking for one talented and highly motivated research-oriented person to carry out doctoral and postdoctoral studies in “Unraveling the effects of contemporary and historical changes in climate and land use on freshwater biodiversity in high-latitude regions of Europe and North America” project. The objective of the project is to answer the following questions: (i) is land-use intensification a stronger driver of change than changing climate in explaining historical freshwater plant diversity and distribution?, (ii) are historical legacies of past climates and land use still shaping distribution and functions of present-day freshwater floras in Europe and North America?, and (iii) are there long-lasting biotic imprints affecting contemporary freshwater plant communities, and do these legacies differ between continents?

Deadline of application: **November 10th, 2024**

More information for the PhD position [here](#), and for the postdoc position [here](#).

→ Job position in biodiversity data engineering

Center for Biodiversity and Global Change, Yale University, USA



The Biodiversity Data Engineer will join a team of researchers and informaticians at the Center for Biodiversity and Global Change at Yale University (bgc.yale.edu) to design and implement large spatial biodiversity analytical workflows and databases. They will build and maintain cloud computational infrastructure to efficiently produce global biodiversity datasets to inform conservation decision-making and policy. They will work closely with large data repositories (e.g., GBIF, eBIRD, FishBase, Wildlife Insights, etc.) and co-develop private data systems with partners. The candidate will be responsible for maintaining rigorous data standards and scientific integrity.

Visit [Careers at Yale](#) to apply. Please submit a resume and cover letter in your application. Contact Alexander.Killion@yale.edu with any questions about this position.

→ PhD position in extreme fire impacts on carbon cycle

Laboratory for Climate and Environmental Sciences, France



Extreme fires are the most damaging in terms of their effects on climate and the wider environment. This project seeks to gain a holistic understanding of extreme fires and their impact on the Earth system. The aim of this position will be to construct a new methodological basis for provision of the first robust estimate for the net carbon impacts of extreme fires on the terrestrial carbon balance, by integrating vegetation and soil carbon losses and recovery rates inferred from satellite data through machine learning, AI and modelling techniques. These will reveal the processes and states underlying the heterogeneity of biomass response and recovery to extreme fire disturbances, enabling estimation of: (a) The net impacts of historical large fires on the vegetation carbon balance, existing estimates of which are unreliable, low resolution and poorly constrained; (b) Model-based future extreme fire occurrence, recovery and net aboveground carbon fluxes that result.

For more information, please contact simon.bowring@lsce.ipsl.fr, yidi.xu@lsce.ipsl.fr, and philippe.ciais@lsce.ipsl.fr.

→ Principal scientist position in water data

APEM group, UK based, remote



Driven by the requirements of the Water Framework and Habitats Directives, we have a diverse portfolio of data-intensive projects in our Freshwater Division that require Principal-level support to design and optimise environmental monitoring programmes, build and deploy predictive models, and develop data visualisation and reporting tools. This is an exciting opportunity for an experienced environmental statistician/data scientist to work as part of multi-disciplinary team of scientists with expertise in freshwater ecology, water quality, hydrology and invasive species and provide technical leadership within a dynamic organisation.

To find out more and apply, please go to [here](#).

→ PhD position in plant-based UV-B biomonitoring

Universidad de La Rioja, Spain



Ultraviolet-B radiation is a minor fraction of the solar spectrum, but its biological effects have greatly influenced life evolution on Earth. Much research has been performed on the UV-B effects on plants, in terms of damage (on DNA, chlorophyll and photosynthesis) and protection mechanisms (mainly DNA repairing, and accumulation of UV-absorbing compounds and antioxidants). Since 1987, the Montreal Protocol has effectively fought against the anthropogenic stratospheric ozone depletion and the associated UV-B increase. Nevertheless, the recent interactions between OH and global warming have broken the ozone recovery trend recorded during the last decade. Given this background, our objective is to develop a plant-based UV-B biomonitoring network, through field campaigns and laboratory and field experiments.

For more information, please contact encarnacion.nunez@unirioja.es and javier.martinez@unirioja.es.

→ Researcher position in warming effects on ecological food webs

Instituto de Investigación en Cambio Global, Spain



The WARMSIZE project aims to provide novel insights into the organism's metabolism and energy fluxes of freshwater food webs. The project combines experimental tests and quantitative analysis, assessing the influence of abiotic (temperature) and biotic (predation) factors on body size scaling. Your Role: 1) Experimental Work: Assist with experimental setups, identify and count organisms, measure metabolic rates, and analyze body sizes through advanced techniques including flow cytometry and respirometry. 2) Career Development: Engage in drafting scientific publications, present findings at international conferences, and build your professional profile in food web ecology and quantitative modeling.

For more information, please contact Ignasi Arranz Urgell (ignasi.arranz@urjc.es).

→ 2 puestos de trabajo en consultoría ambiental

MN Consultores en Ciencias de la Conservación, Spain

- Se necesita un técnico (ecólogo) a jornada completa para formar parte de un equipo especializado en ecología de ecosistemas acuáticos continentales, y trabajar en el desarrollo de investigaciones y estudios de ecología, comunidades biológicas e hidrogeomorfología fluvial, la elaboración de estrategias de conservación, la redacción de proyectos de restauración de ecosistemas acuáticos, y en el seguimiento ecológico de éstos.

- Se necesita un técnico a jornada completa para trabajar en el desarrollo de investigaciones y estudios de ecología acuática y terrestre y de comunidades biológicas, en la elaboración de estrategias de conservación de la biodiversidad, la redacción de proyectos de restauración, y en el seguimiento de hábitats y especies.

Más información [aquí](#). Contacto: Margarita Manzano (+34 635 616 573). Interesados enviar CV a administracio@mnconsultors.com.

→ **PhD and postdoc position in stream biodiversity**
Oulanka Research Station, University of Oulu, Finland



We are looking for a highly motivated early-career researcher and a postdoc researcher with a background in community ecology, freshwater ecology or limnology for a project that uses several long-term data sets, allowing up to 40-year perspective to stream biodiversity change. We will also use shorter (up to 4 years) data sets on ecosystem process rates to relate inter-annual variation in ecosystem processes to variation in benthic biodiversity and abiotic variables in 30 streams spanning a gradient from near-pristine to heavily impacted sites. These unique data sets help us evaluate if boreal stream biodiversity has responded positively to water quality improvement and whether this 'management credit' overshadows climatic and land-use debts.

Deadline of application: **November 8th, 2024**

More information for the PhD position [here](#), and for the postdoc position [here](#).

→ **Freshwater Ecology Assistant**

UK Centre for Ecology & Hydrology (UKCEH), Lancaster, UK



Opportunity as Ecology Assistant with a special interest in freshwater environments, to join our Lake Ecosystems Group conducting fundamental research on lake ecosystems to understand their responses to environmental stressors like climate change and pollution, focusing on physical, chemical, and biological processes. You'll play an important role in the interpretation of data, modelling, and reporting on ecological change therefore, you should be comfortable with computer programming and using statistical methods.

More information [here](#).

Conferences, workshops and courses

→ **Neobiota Special Issue about Invasions in Aquatic Systems**

If you have high level research related to invasions in aquatic systems, we invite you to submit (in this [form](#)) our proposal for an original paper in a special issue of the Neobiota journal dedicated to "Invasions in Aquatic Systems." The guest editors for this issue will be Pedro Anastácio, Filipe Ribeiro, and Paula Chainho.

Remember these Important Deadlines:

- Intention to Submit: Please fill out the [online form](#) with your tentative title, authors, and a brief paragraph about your theme (or an abstract).
- Final Submission: The final submission instructions will be sent after the evaluation of your proposal. The deadline for full submissions to the journal is January 30.

More interesting information

→ Grupo de trabajo sobre transferencia de tecnologías y conocimiento

Un Grupo de Trabajo sobre transferencia de tecnologías y conocimiento dentro de la AEET sería ideal para conocer lo que se está haciendo al respecto y buscar potenciales agujeros en nuestro conocimiento a la hora de afrontar la transferencia (incluidos aspectos éticos). Ya ha sido comentado con la Junta y les parece una gran idea.

Mi intención es dirigir este Grupo de Trabajo que propongo hacia la transferencia para la explotación o aprovechamiento de resultados, ya sea por el sector empresarial, la administración o la sociedad en general. En ese sentido, aunque sea para crear herramientas útiles en administración, no se trata de afectar políticas sino de facilitar su implementación, en todo caso.

Antes de realizar la petición formal para crear dicho grupo, me gustaría hacer un llamamiento para solicitar la colaboración de los interesados en el tema (y ya de paso primeras sugerencias en los aspectos a tratar). Contestadme en privado y cuando tengamos una buena base llevaré a cabo los procedimientos para establecer el Grupo de Trabajo.

Muchas gracias por adelantado,
Enrique Doblas Miranda
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