

The Centre de Recherche Public - Gabriel Lippmann, a fast growing public establishment for applied scientific research and technology transfer in Luxembourg, has an opening on a permanent contract basis for its internationally recognized Department 'Environment and Agro-biotechnologies' (EVA) for:

a project leader in remote sensing and ecophysiology (m/f)

(Ref: EVA-260312-PLREMSSENS)

Duties and responsibilities:

The selected candidate will lead a research team focusing on the understanding of the physiological mechanisms underlying plant mediated exchange processes. A specific emphasis is set on related scale dependency processes from leaf to ecosystem levels. The selected candidate has expertise in remote sensing (especially fluorescence, hyperspectral and/or thermal techniques) as well as in gas-exchange and flux measurements to scale and quantify the spatio-temporal variations of plant mediated exchange processes. She/he will work at the interface between plant ecophysiology and remote sensing.

The selected candidate will have to develop and maintain a nationally and internationally recognized innovative and interdisciplinary research program. The research activity must be balanced between basic and applied research and must attract external funding (e.g. FP7, ESA).

The selected candidate will exploit the potential for interdisciplinary research to improve our understanding of ecosystem processes at different scales, both through in-house competencies in remote sensing, hydrology, climatology, biology, agronomy and pedology, as well as through external partner institutions.

Providing leadership to direct research and mentoring graduate students is essential.

Qualifications:

- PhD in geosciences, biological sciences, physical geography, ecology, or environmental sciences with a specialisation in remote sensing and ecophysiology.
- Knowledge in plant and canopy functioning, canopy-atmosphere exchange processes, measurement of fluxes, remote sensing of land surface processes.
- Knowledge in (hyperspectral) thermal remote sensing would be considered as an advantage.
- Experience with common digital image processing and GIS software (ESRI ArcGIS, Erdas/Imagine, IDL/ENVI) is required.
- 3-5 years of experience in a similar position in a R&D environment (public or private), with proven organizational skills and experience with fund-raising in national and/or European R&D funding.
- The candidate must have a record of publications in peer reviewed scientific journals.
- Applicants must demonstrate good skills in oral communication, an aptitude for grant writing, project management, team leadership in an interdisciplinary research group, and an interest to work on intra- and interdepartmental multidisciplinary projects.
- Good organizational skills and the ability to work productively in a team environment are essential attributes.
- International experience and interest are required.
- The candidate must be fluent in English (scientific exchange) and have a good knowledge of French (administrative language) or German.

Contact

Candidates who are interested in that position should send their application (with the above reference) including CV, motivation letter, publications, names of two or three referees, diploma, possible work certificates and a report detailing the past and current research activities, the technologies applied, the results obtained either by e-mail to recrutement@lippmann.lu (format .doc or .pdf) or by mail to:

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