



**Plant.ID [<http://www.plantid.uio.no/>]  
Molecular Identification of Plants**

PhD Fellowship 13. Bar-HRM traceability of toxic species in food and medicine, Centre for Research and Technology - Hellas (CERTH)/Aristotle University of Thessaloniki (AUTH), School of Biological Sciences

**The Centre for Research & Technology - Hellas (CERTH)**, announces an opening for a fully funded PhD fellowship under the Plant.ID Horizon2020 - Marie Skłodowska-Curie Actions - Innovative Training Network - European Training Network, starting April 2018. The PhD Degree will be awarded by the Aristotle University of Thessaloniki (AUTH).

**Plant.ID is recruiting 15 PhD fellows**

The EU H2020-ITN-ETN project Plant.ID on molecular identification of plants is a European training network aimed at providing 15 PhD fellows across nine European host institutions with excellent training through a network of leading academic experts, museums, governmental and industry partners in the field, using an intensive program with network-wide training events, intra-network supervision and secondments.

**Project description**

Illegal collection and trade poses a serious threat to native plant species that are edible or of pharmaceutical or commercial interest. Species of restricted distribution, especially the endemic ones, are affected disproportionately and require special conservation measures. The same applies to natural hybrids, due to their unique genetic constitution and importance as distinct taxa. In addition to the above, substitution of wild species, due to misidentification, can lead to severe adverse reactions. Barcoding is an important tool towards the solution for the above issues. We will focus on common edible, poisonous, allergenic and pharmaceutical plants of the Greek flora. Through sequencing of barcoding regions and metabarcoding techniques, specific barcoding markers will be developed to be used either with PCR and/or with the High Resolution Melting Analysis for species-specific identification. Additionally, this approach will be tested at the genus and family level with specific genera most at risk by trade today. **Objective:** Species level identification of plants edible, poisonous, allergenic and pharmaceuticals as well as their products, independent of state, using barcoding, Bar-HRM or metabarcoding techniques. Supervisor: Drouzas Andreas, Aristotle University of Thessaloniki. Co-supervisor Madesis Panagiotis, CERTH/INAB. Advisor Hugo de Boer, University of Oslo. Planned secondments to the University of Oslo, Norway.

**Who are we looking for?**

Marie Curie Training Networks offer a unique opportunity to get cutting-edge training in a multidisciplinary environment with a focus on academic and personal development of the PhD fellows. The supervisors in the network each provide specific competences and as part of the network you develop your skills and carry out research both independently and as part of a network of 15 PhD fellows. The consortium ensures cross-pollination and exchange of ideas through network-wide training events, summer schools and intersectoral secondments. As a PhD fellow in this particular PhD within the Plant.ID network, you need to have a master degree (or equivalent postgraduate diploma) in a relevant field, good social skills, be willing to conduct the planned secondments and importantly be innovative and goal-oriented. We also want someone that shows innovative



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thinking, who is eager to invest in an exciting research project within an international network, and to pursue a science-based career at the interface of academia, industry and the general public.

### Job conditions

The PhD student will be appointed under an employment contract with a competitive salary and mobility allowance at the host institution. **The fellow is expected to start in April 2018.** Additional funding for research and participation in courses, workshops, conferences, etc. is ensured. **PhD 13 will be enrolled in a 3-year doctoral program at Aristotle University of Thessaloniki (AUTH).**

### Job description

Your key tasks as a PhD fellow in Plant.ID are:

- Manage and carry through your research project
- Take PhD courses within the Plant.ID network
- Write scientific articles and your PhD thesis
- Participate in international congresses and Plant.ID network meetings
- Stay at a research institution abroad for the secondment(s)
- Teach and disseminate your research

### EU eligibility criteria for candidates

The applicant may be of any nationality but in order to be eligible for the positions the following criteria applies to all applicants:

- The applicant shall at the time of recruitment be eligible as an Early Stage Researcher (ESR) by being in the first four years of his/her research career and not have been awarded a doctoral degree.
- The applicant must not have resided or carried out his/her main activity in the country of the host institute for more than 12 months in the 3 years immediately prior to the recruitment.

### Application procedure

All positions are announced on the Plant.ID website ([www.plantid.uio.no](http://www.plantid.uio.no)), EURAXESS. Individual projects are announced at the hosting institution, and application received through the host institutions official application procedures will be considered.

### Application attachments

- Motivation letter, max 2 pages
- CV (max 2 pages) including a list of publications (if any)
- Summary of last degree thesis (1 page)
- Names and contact details of 3 referees, but no letters.

**By applying for PhD 13, you agree that your application can be transferred to other positions in the network for consideration.**

**The link for application to PhD project 13 will be provided soon. In the mean time take a look at the research of the supervision team for inspiration.**



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**Recruitment**

All announced positions will close on January 15<sup>th</sup>, and **the evaluation process will start immediately with interviews of shortlisted candidates planned in February. All candidates will receive response.** Questions regarding the recruitment can be sent to Panagiotis Madesis [pmadesis@certh.gr](mailto:pmadesis@certh.gr), or the project leader of Plant.ID, Hugo de Boer [hugo.deboer@nhm.uio.no](mailto:hugo.deboer@nhm.uio.no). For a pdf version of this announcement click [here](#).

**I agree that my application can be transferred to other positions in the network for consideration\*.**

\*Ticking this box does not affect the evaluation of candidates for individual PhD positions, but allows the network to also evaluate an application for another position if relevant.