



Dear Colleague and friend,

I am seeking your collaboration in searching candidates for a position of:



Assistant Professor in Plant Physiology and Biochemistry

Laboratory of Photosynthesis and Bioenergy

Department of Biotechnology, University of Verona, Italy.

DEAD LINE: August 9th, 2018

The position is initially for three years. Upon positive assessment of the research activity, it will become a tenure track position for Associate Professor.

The successful candidate will join the laboratory of Photosynthesis and Bioenergy and collaborate, in a team with Prof. Roberto Bassi and Prof. Luca Dall'Osto to research in photosynthesis including:

- Control of Light use efficiency in higher Plants and Green algae.
- Non-Photochemical quenching of Chlorophyll fluorescence.
- Mechanisms of abiotic stress resistance.
- Carotenoid and apocarotenoid biogenesis and function.
- Interaction between photoreception and photosynthesis.
- Engineering plants and green algae for Enhanced Photosynthetic efficiency.
- Production of biofuels from unicellular algae.

A short list of recent publications from the lab is listed below as an example of the research field presently explored by the research team.

A more comprehensive list of publication from the lab can be found at the following Link: https://scholar.google.it/citations?hl=it&user=SNf1wMAAAAJ&view_op=list_works&sortby=pubdate

Pinnola, A, M Ballottari, I Bargigia, M Alcocer, C D'andrea, G Cerullo, R. Bassi (2018) Functional modulation of LHCSR1 protein from *Physcomitrella patens* by zeaxanthin binding and low pH **Scientific Reports** 7 (1), 11158

Dall'Osto, L, S Cazzaniga, M Bressan, D Paleček, K Židek, KK Niyogi, R. Bassi (2018) Two mechanisms for dissipation of excess light in monomeric and trimeric light-harvesting complexes **Nature plants** 3 (5), 17033

Betterle, N RS Poudyal, A Rosa, G Wu, R Bassi, CH Lee (2017) The STN 8 kinase-PBCP phosphatase system is responsible for high-light-induced reversible phosphorylation of the PSII inner antenna subunit CP 29 in rice **The Plant Journal** 89 (4), 681-691

Bressan, M, L Dall'Osto, I Bargigia, MJP Alcocer, D Viola, G Cerullo, R. Bassi (2017) LHCII can substitute for LHCI as an antenna for photosystem I but with reduced light-harvesting capacity **Nature Plants** 2 (9), 16131

Kondo, T., A. Pinnola, John Ogren, **R. Bassi** and G. Schlau-Cohen (2017) Single-molecule spectroscopy of LHCSR1 protein dynamics identifies two distinct states responsible for multi-timescale photosynthetic photoprotection. **Nature Chemistry** 9 (8), 772-778.

Pinnola A, Cazzaniga S, Alboresi A, Nevo R, Levin-Zaidman S, Reich Z, **Bassi R.** (2015) Light-Harvesting Complex Stress-Related Proteins Catalyze Excess Energy Dissipation in Both Photosystems of *Physcomitrella patens*. **The Plant Cell**, (11):3213-27

Cazzaniga, L S., Dall'Osto*, L. Scibilia, J. Szaub, M. Ballottari, S. Purton and **R. Bassi** (2014) Domestication of the green alga *Chlorella sorokiniana*: reduction of antenna size improves light-use efficiency in a photobioreactor. **Biotechnology for Biofuels** 7(1):157-167

Berger, H., Blifernez-Klassen, O., M. Ballottari, **R. Bassi**, Lutz Wobbe and Olaf Kruse (2014) Orchestration of carbon assimilation and photosynthetic light capture in the photoheterotrophic green alga *Chlamydomonas reinhardtii* . **Molecular Plant**, 7(10):1545-59.

Pinnola A, Dall'Osto L, Gerotto C, Morosinotto T, **Bassi R**, Alboresi A. (2013) Zeaxanthin Binds to Light-Harvesting Complex Stress-Related Protein to Enhance Non-Photochemical Quenching in *Physcomitrella patens*. **The Plant Cell**. 25(9): 3519-33.

Dall'Osto, L., Piques, M., Ronzani, M., Alboresi, A., Cazzaniga S. and **Bassi R.** (2013) The Arabidopsis *nox* mutant lacking carotene hydroxylase activity reveals a critical role of xanthophylls for Photosystem I biogenesis. **The Plant Cell**, 25(2):591-608.

Competences in biophysics and bioenergetics of chloroplasts and mitochondria, either for analysis in vivo or in isolated protein complexes will be considered with special attention as well as competences in functional phenotyping. However, this call is open to any excellent researcher in Photosynthesis and Bioenergy Research.

The candidate will progressively develop his own independent research subjects until reaching the Associate professor position in 5 years time from recruitment. There will be no mandatory teaching charges for the first three years.

The Official Call can be found at the following link:

http://www.univr.it/it/concorsi/-/concorsi/5591?p_auth=RA6seT28

APPLICATION:

The application for admission to the selection procedure, as well as the qualifications held, the documents and the publications deemed useful for the procedure, must be presented, under penalty of exclusion, electronically, using the IT application and following the guidelines indicated on the page:

<https://pica.cineca.it/univr/2018rtda004>

Candidates need to apply using the following ON_LINE procedure:

<https://pica.cineca.it/univr/2018rtda004/>

The computer application will necessarily require the possession of an e-mail address to be able to self-register the system. The candidate must enter all the data required for the production of the application and attach the documents in electronic PDF format.

The application form must be completed in all its parts, as indicated in the electronic procedure.

The presentation of the application form must be completed and concluded according to the regulations following modes: – by digital signature, using smart card, USB token or remote signature, which allow the holder to subscribe to generic documents using a PC signing software or a web portal for the Remote Signature made available by the Certifier. Who has a smart card or a USB Signature token can verify its compatibility with the Digital Signature system integrated into the server system. In case of positive result the holder can sign the application directly on the server (eg ConFirma);

In case of impossibility of using one of the above options, the candidate must save on your PC the PDF file generated by the system and, without modifying it, will have to

print it and affix your signature, in full on the last page of the printout. this signature, pursuant to art. 39 of the D.P.R. 445/2000, is not subject to authentication. This document complete must be produced in PDF by scanning, and the file thus obtained must be loaded on the system.

In the application the candidate must indicate the Department (Dipartimento di Biotecnologie) and the competition sector (BIO-04) for which he intends to be admitted. The candidate who intends to participate in several selections will have to present for each procedure a separate application with any attachments. In the application the interested party, in addition to data on surname, name, place and date of birth, residence, tax code, aware of criminal liability in case of false declarations, pursuant to art. 76 of the D.P.R. 445/2000, must declare: 1) the citizenship possessed; 2) the Municipality on whose electoral lists is registered, or the reasons for non-registration or cancellation from the same lists. 3) to enjoy civil and political rights in the states of belonging or provenance, or the reasons of non-enjoyment of the same; 4) to have no criminal convictions and no pending criminal proceedings, i any penal convictions reported or any pending criminal proceedings; 5) the position held in respect of leverage obligations (to be indicated only for Italian citizens born before 1985); 6) possession of the qualification required by art. 2 of this announcement. For qualifications obtained abroad to be in possession of the declaration of equivalence or having started the procedure for the equivalence of the qualification to the Public Function; 7) the name of the supervisor and the correlator of the degree thesis and of the doctoral thesis tutors; 8) not having been dismissed, dispensed or fired from employment with a Public Administration for persistent insufficient performance; 9) of not having been declared expired from state employment, achieved through the production of false documents or invalidated by invalidity invalid, pursuant to art. 127, letter d) of the T.U. of the provisions concerning the status of civil servants of the State, approved with D.P.R. n. 3 of 10.01.1957, or the indication of the date and of the administration at to which the provision for revocation has intervened; 10) of not having been employed indefinitely as a first or second professor a band or researcher, even if ceased from the service; 11) not to have a degree of kinship or affinity up to the fourth degree included with a professor belonging to the Department that makes the proposal to activate the contract, or with the Rector, the General Manager or a member of the University Board of Directors; 12) of not having been a research grant holder and a fixed-term researcher in the sense of the articles 22 and 24 of Law 240/2010 at the University of Verona or at other universities Italian, state, non-state or telematic, as well as at the institutions referred to in paragraph 1 of art. 22 of Law 240/2010 for a period which, added to the duration envisaged by the contract put in announcement, exceeds a total of 12 years, even non-continuous; 13) to be physically fit for the employment to which the selection refers.

The application must indicate the domicile that the candidate elects for the selection, with the exact indication of the zip code. Any change in the domicile must be promptly communicated to the Office to which the request for participation has been sent.

The candidate must attach in pdf format to the application for admission to the selection procedure:

1. valid identification document;
2. a curriculum dated and signed by one's own scientific and educational activity, including the list of all publications with their co-authors;
3. publications and research products deemed useful for the selection presented with the methods referred to in the following art. 4, the doctoral thesis, in case the candidate intends present it, must be counted in the number of publications;
4. any documentation that the candidate deems useful for evaluation purposes (eg letter of reference or collaboration) presented in the manner set out in the following art. 4.

Art. 4 - How to present scientific publications and titles

The scientific publications and the titles that the candidate intends to assert for the purposes of the procedure need to be sent exclusively by computer, using the computer application pursuant to art. 3 of the present announcement. Only publications and texts accepted for publication can be considered.

The composition of the selection committee will be published on the University website at:

<http://www.univr.it/it/concorsi>

Elements that will be considered in the preliminary evaluation

- 1) research doctorate or equivalent, obtained in Italy and abroad;
- 2) any teaching activity at university level in Italy or abroad;
- 3) documented training or research activities at qualified Italian or foreign institutes;
- 4) other relevant documented activities;
- 5) realization of project activities related to the competition sectors in which it is expected;
- 6) organization, direction and coordination of national and international research groups or participation in the same;
- 7) ownership of patents relating to the sectors of competition in which it is envisaged;
- 8) speaker at national and international congresses and conferences;
- 9) national and international awards and recognitions for research activities;
- 10) European specialization diploma recognized by international boards.

The evaluation of each title is carried out considering specifically the significance that it takes on the quality and quantity of the research activity carried out by the individual candidate.

The Commission carries out a preliminary comparative assessment of the scientific publications of the candidate on the basis of the following criteria: a) originality, innovativeness, methodological rigor and relevance of each scientific publication; b) congruence of each publication with the competition sector for which the procedure is announced and with the possible profile, defined exclusively by the indication of one or more scientific-disciplinary sectors, or with interdisciplinary topics related to them; c) scientific relevance of the editorial position of each publication and its dissemination within the scientific community; d) analytical determination, also on the basis of criteria recognized in the scientific community international reference, the individual contribution of the candidate in case of participation of the same to collaborative works.

Six selected candidates will be invited for a seminar and discussion.

Salary: The annual income payable to the full-time fixed-term researcher is equal to 34,898.06 euro. Full health security and retirement treatment will be included.

Administration and liability:

The person in charge of the procedure is Dr. Antonella Ballani, Human Resources Department, Area Technical Administrative Staff and Recruitment - U.O. Competitions - Via dell'Artigliere, 19 - Verona (tel. 0458028473-8552-8336) e-mail: antonella.ballani@univr.it - PEC: ufficio.protocollo@pec.univr.it

The notice of this decree will be published in the Official Gazette - IV special series - Competitions and exams. The full text of the notice will be posted on the Official Notice Board of the University of Verona, e published on the University website at: <http://www.univr.it/it/concorsi>, on the MIUR website e on the European Union website.

Application deadline

Aug 9, 2018

Official Journal

n° 54 of Jul 10, 2018

NB: Due to the Italian bureaucracy, the rules of application may appear complex. Please write to Roberto.Bassi@univr.it for any help or clarification you might need.

