EUROPEAN CURRICULUM VITAE FORMAT

PERSONAL INFORMATION

Name	**RICCARDO LORRAI**
Nationality	Italian

WORK EXPERIENCE

• Dates	1/11/2018 to 31/03/2018
• Name and address of employer	Dr. Paola Vittorioso Sapienza, University of Rome
• Type of business or sector	Research
• Occupation or position held	Post-doc fellowship
• Main activities and responsibilities	Plant biology
• Dates	1/10/2018 to 31/05/2019
• Name and address of employer	Prof. Simone Ferrari Sapienza, University of Rome
• Type of business or sector	Research
• Occupation or position held	Post-doc fellowship
• Main activities and responsibilities	Plant biology

EDUCATION AND TRAINING

• Dates	February 2018
• Name and type of organisation providing education and training	Dept. Biology and Biotechnology "C. Darwin" University of Rome "Sapienza" 5 Aldo Moro, 00185 Rome (Italy)
• Principal subjects	Plant Biology
• Title of qualification awarded	PhD Degree, Life Science XXX cycle
• Dates	October 2014
• Name and type of organisation providing education and training	Dept. Biology and Biotechnology "C. Darwin" University of Rome "Sapienza" 5 Aldo Moro, 00185 Rome (Italy)
• Title of qualification awarded	Master Degree (110/110 cum laude), Genetics and Molecular Biology
• Dates	March 2012
• Name and type of organisation providing education and training	Dept. Biology and Biotechnology "C. Darwin" University of Rome "Sapienza" 5 Aldo Moro, 00185 Rome (Italy)
• Title of qualification awarded	Master Degree (103/110), Biology

MOTHER TONGUE	**Italian**
OTHER LANGUAGES	
	English
• Reading skills	Excellent
• Writing skills	Good
• Verbal skills	Good
	French
• Reading skills	Good
• *Writing skills*	Basic
• Verbal skills	Basic

LABORATORY SKILLS AND COMPETENCES

Basic techniques in molecular biology: PCR, Colony PCR, plasmid DNA extraction, DNA and RNA extraction, molecular cloning, E. Coli and S. *Cerevisiae* transformation.
Expression Analysis: RT-PCR, qPCR
Biochemical Analysis: Protein extraction, Western Blot, ChIP, Co-IP, two hybrid assay
***A.thaliana* techniques:** plant transformation using Agrobacterium, genetic crosses, mutant isolation by PCR genotyping, mutant phenotypic analysis, chloroplast isolation, seed germination and seedling development phenotypical analysis, GUS assay
Microscopy techniques: Stereomicroscope, Optical microscope

SUPERVISION, MENTORING ACTIVITIES AND ACADEMIC SERVICES

I supervised training of bachelor and master students.
I gave technical lecture about "protein-protein interaction analysis" and "plant transformation" in the "Genetic engineering" course within the BSc programme of Biology at Sapienza, University of Rome.
I participated as tutor at the "La scienza illumina" exhibition, during the Maker Faire of Rome 2015.

ADDITIONAL INFORMATION

Publication:

Boccaccini A, Santopolo S, Capauto D, **Lorrai R**, Minutello E, Serino G, Costantino P, Vittorioso P.
The DOF protein DAG1 and the DELLA protein GAI cooperate in negatively regulating *AtGA3ox1* gene.
Mol. Plant. 2014 Apr 9. doi: 10.1093/mp/ssu046.

Boccaccini A., Santopolo S., Capauto D., **Lorrai R.**, Minutello E., Belcram K., Palauqui J.C., Costantino P. and Vittorioso P.
Independent and interactive effects of DOF AFFECTING GERMINATION 1 (DAG1) and the DELLA proteins GA INSENSITIVE (GAI) and REPRESSOR OF ga1 (RGA) in embryo development and seed germination.
BMC Plant Biology 2014, **14**:200. doi:10.1186/s12870-014-0200-z .

Santopolo S., Boccaccini A., Capauto D., **Lorrai R.**, Minutello E., Serino G., Costantino P. and Vittorioso P.
Dof Affecting Germination 2 is a positive regulator of light-mediated seed germination and is repressed by Dof Affecting Germination 1
BMC Plant Biol. 2015 Mar 4;15:72. doi: 10.1186/s12870-015-0453-1.

Boccaccini A., **Lorrai R.**, Ruta V., Frey A., Marcey-Boutet S., Marion-Poll A., Tarkowska D., Strnad M., Costantino P. and Vittorioso P.
The DAG1 transcription factor negatively regulates the seed-to-seedlings transition in Arabidopsis acting on ABA and GA levels
BMC Plant Biology 2016. Sept 16:198 doi: 10.1186/s12870-016-0890-5

Lorrai R, Gandolfi F, Boccaccini A, Ruta V, Possenti M, Tramontano A, Costantino P, Lepore R, Vittorioso P.
Genome-wide RNA-seq analysis indicates that the DAG1 transcription factor promotes hypocotyl elongation acting on ABA, ethylene and auxin signaling.
Sci Rep. 2018 Oct 26;8(1):15895. doi: 10.1038/s41598-018-34256-3.

Lorrai R, Boccaccini A, Ruta V, Possenti M, Costantino P, Vittorioso P.
Abscisic acid inhibits hypocotyl elongation acting on gibberellins, DELLA proteins and auxin.
AoB Plants. 2018 Oct 5;10(5):ply061. doi: 10.1093/aobpla/ply061. eCollection 2018 Oct.

Meeting:

2015 "DOF AFFECTING GERMINATION 2 is a positive regulator of light mediated seed germination and is repressed by DOF AFFECTING GERMINATION 1". The 26th international conference on Arabidopsis research (ICAR 2015). Oral Presentation 2 minutes talk and poster.

2016 "The Arabidopsis DAG1 transcription factor controls the dormancy/germination developmental switch acting on the balance of ABA and GA". The 22nd international conference on plant growth substances (IPGSA 2016). Poster presentation

2016 "studying the role of the DAG1 transcription factor in the control of photomorphogenesis in Arabidopsis thaliana". PhD school on "Environmental regulation of plant development (2016). Oral presentation

2017 "Study of the role of the DOF transcription factor DAG1 in the control of seedling development in Arabidopsis thaliana". Biology and Biotechnology C. Darwin meeting (Ponzano). Oral presentation

I authorise the processing of my personal data.

Roma, 12th June 2019