



Lifelong Learning Programme

LEONARDO DA VINCI PROGRAMME

PEOPLE IN THE LABOUR MARKET

MOBILITY

## Leonardo da Vinci traineeship offer

### Host organisation: **Università di Verona, Verona, Italy**

University of Verona is a public university which became independent in 1982 from Padua University. It is actually constituted of 8 different faculties in the scientific, economic and humanistic fields. The Biotechnology Department of the University of Verona promotes research in scientific and technology compartments of Agro-industrial Biotechnology and in other connected compartments like biochemistry, physic, chemistry, and molecular genetics. The specific area of expertise and interest of the Department and more in detail of the Laboratory of Genetic Biotechnologies headed by Prof. Massimo Delledonne is the development and application of scientific approaches for basic science in the field of plant pathogen interaction and to develop applied strategies. This finally aims to improve agro-industrial products and production technologies. The Department owns also important technology platforms in sectors like functional genomics, metabolomics, proteomics and microbiology and a laboratory for plant transformation. Among these platforms Prof. Massimo Delledonne coordinates the Center for Plant Functional Genomics, born in 2007. To this center belongs a microarray platform based on Combimatrix technology. Recently the center acquired also further advanced technologies for transcriptomic analysis and now performs routinely the RNA Seq approach using the instrument Genome Sequencer II (Solexa/Illumina) and all softwares necessary for analysis of data developed with this instrument. The Department and these Laboratories are in contact and work in collaboration with most advanced national and international research centers in the specific area of interest. The department offers to people working in it instruments and support necessary to develop research in the area of plant science.

### Local and temporal specification of the traineeship:

Division/Department: Biotechnology Department, Laboratory of Genetic Biotechnologies, Verona, Italy

Starting date (earliest possible): any date as long as it is not just before Christmas

Starting date (latest possible):

Duration: 6 months

Working hours: 35-40/week

### Training content (activities/tasks):

- ✓ The trainee will take part in the currently ongoing projects of the Laboratories headed by Prof. Massimo Delledonne. They will be mainly involved in activities performed in the Laboratory of Genetic Biotechnology to investigate and elucidate the role of nitric oxide in plant pathogen interaction.

### Required profile of the candidates:

- ✓ **University graduates** in Plant Biology, Biotechnology, Molecular Biology, Genetics
- ✓ Work experience with plant molecular biology protocols, nucleic acid manipulation
- ✓ Good command of English

Further, applicants must meet the following criteria:

- ✓ Graduates of Palacky University in Olomouc
- ✓ Date of graduation: no more than 1,5 year ago
- ✓ You have not carried out a Leonardo da Vinci traineeship, mobility of people in the labour market (PLM) yet
- ✓ Permanent residence or perspective employment in the Central Moravia region is advantage

**Remuneration:**

- ✓ financial support – 0 EUR/month
- ✓ contribution in kind (e.g. accommodation, public transport, meals etc.) – accommodation in a guesthouse free of charge for a period up to 2 months

Note: beside possible financial support and/or contribution in kind provided by the host organisation, the selected candidate shall receive a Leonardo da Vinci grant. The grant shall be allocated in the max. amount of up to a 5-month scholarship (monthly rate being max. 600 EUR).

**Please send your application documents (CV and cover letter in English language) to [info@edutrain.cz](mailto:info@edutrain.cz) at least two months before the planned start.**