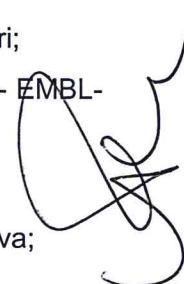


SELECTION OF ONE PROFESSOR (LEVEL 2), FOR ACADEMIC RECRUITMENT FIELD 05/E2 "MOLECULAR BIOLOGY" AT THE INSTITUTE OF LIFE SCIENCES - ACADEMIC CLASS OF EXPERIMENTAL AND APPLIED SCIENCES, RESERVED, PURSUANT TO ART. 24, SUBSECTION 6, OF ITALIAN LAW 240/2010, FOR RESEARCHERS EMPLOYED AT THE SCHOOL, ISSUED BY RECTOR DECREE. NO. 446 DATED 26/07/2017.

FINAL REPORT

The year 2018 the 19th day of the month of February at 15:30, the Committee for the selection of one professor (level 2) for the Academic Recruitment Field 05/E2 "Molecular Biology" at the Institute of Life Sciences of the Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna di Pisa, reserved for researchers employed at the School to be selected pursuant to art. 24, subsection 6 of the Italian law 240/2010, nominated by decree No. 524 dated 3/10/2017 by the Rector, that consists of:

- Prof. Giuseppe Turchetti, Full Professor of 13/B2 "Management" at the Scuola Superiore Sant'Anna, member of the Recruitment Committee;
- Prof. Graziano Pesole, Full Professor of 05/E2 "Molecular Biology" at the University of Bari;
- Prof. Rodrigo Lopez, Head of Web Production at the European Bioinformatics Institute - EMBL-EBI;
- Prof. Gabriel Valiente, Professor at the Technical University of Catalonia;
- Prof. Giorgio Valle, Full Professor of 05/E2 "Molecular Biology" at the University of Padova;
- Prof. Valeria Poli, Full Professor of 05/E2 "Molecular Biology" at the University of Torino.



convened via teleconference (skype) to review the selection process, and completed its work on the following days:

Preliminary meeting: on November 29, 2017, from 9:00 to 10:30, via teleconference

Third meeting: on February 19th, 2018, from 15.30 to 16:00, via teleconference (skype)

The Committee held a total of 2 meetings, and began its work on November 29, 2017 and concluded it on February 19th, 2018.

In the preliminary meeting, the Committee nominated the President and Secretary. It was noted in the minutes that each member had declared that they had no kinship or affinity up to the fourth degree inclusive, either with each other or with the candidate Dr. Andrea Zuccolo. The Committee established the date by which their work would be concluded, the criteria for the assessment of the candidate. The

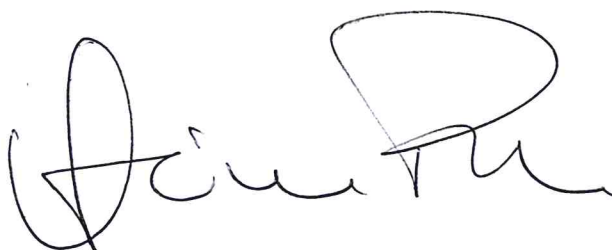
meeting scheduled on December 4th 2017 had to be postponed due to unexpected impossibility of some committee members and the President asked to the Rector to authorize an extension for the closure of the works. The extension has been authorized until April 2nd 2018 by the Rector with decree n. 61 issued on February 2nd 2018.

In the second meeting the Committee examined the publications, the CVs and the didactic activity of the candidate, and after a comprehensive discussion, by an absolute majority (unanimously) votes declared the following candidate to have won the position: **Andrea Zuccolo**

Read, approved and signed.

THE COMMITTEE

- Prof. Giuseppe Turchetti
- Prof. Graziano Pesole
- Prof. Gabriel Valiente
- Prof. Rodrigo Lopez
- Prof. Giorgio Valle
- Prof. Valeria Poli

A handwritten signature in black ink, appearing to read 'Zuccolo', with a large, stylized flourish above the name.

ANNEX 1 – Individual assessment for Dr. Andrea Zuccolo



Prof. Rodrigo Lopez

Dr. Zuccolo has an accomplished record in the field of Bioinformatics and very good experience with the analysis of sequence data, especially in the field of plant genomics, with emphasis in the study of transposons, LTR-RTs, CpG analysis, studies the effects of exon shuffling in maize and contributed to the analysis of the genome of several related species to this important crop. He has also contributed excellent reports on the analysis of the genomes of large conifers and their evolution. He has co-authored almost 40 publications and is currently mentoring two PhD and three MSc students. Most of these publications appear in very relevant international journals, Dr. Zuccolo has very good English written skills that demonstrate he has excellent written communication skills. During his tenure as Assistant Professor at the University he has also shown excellent teaching practises.

Prof. Graziano Pesole

Andrea Zuccolo is currently Assistant Professor (Ricercatore) at the "Institute of Life Sciences of the Scuola Superiore di Studi e Perfezionamento S. Anna" in Pisa and his research activity is mostly focused on plant genomics, fully coherent with the topics of the discipline/scientific sector 05/E2 – BIO/11. He is author of several papers published in peer reviewed international journals where a remarkable individual contribution is evident, in several cases, by his position in the Authors list. At the date of Dec 4th 2017 the Scopus database records 37 publications with an h-index of 18 and an average of 138 citations per item.

Given the above remarks and considering all the qualifications reported in the CV, including his considerable teaching activities in the field of Bioinformatics and Plant Genomics, I believe he is a suitable candidate for the position of Associate Professor in Molecular Biology.

Prof. Valeria Poli

The candidate shows an extensive experience in genomics/bioinformatics with a particular interest in studying plants repetitive elements. Before joining the Scuola Superiore Sant'Anna as an Assistant Professor, since 2006 and 2011 he was coordinator of the Bioinformatics Team at the Arizona Genomic Institute (University of Arizona, Tucson), and before that he covered the role of Research Associate at the same Institution. The 12 publications presented for this selection are of high impact and published in good and often excellent Journals relevant to the BIO/11 sector. In three of them he is last author, further demonstrating ability to lead a group. His

teaching experience, all in bioinformatics and genomics, is more than adequate and the student's evaluations positive. In conclusion, the candidate fully deserves to cover the position of Professore Associato in Molecular Biology.



Prof. Gabriel Valiente

The candidate has a very strong CV in both teaching and research, with specific teaching and tutoring duties in bioinformatics and molecular biology at the MSc and PhD levels, and with numerous publications in leading scientific journals, several of them as corresponding author. Along with the specific teaching duties, the candidate has been a scientific board member for three related PhD programs over the last 6 years, has supervised five MSc students, has tutored or supervised three PhD students, and has supervised two post-doctoral fellows. The candidate has also been a member of many MSc and PhD thesis defense committees. The scientific contribution of the candidate is steady, with about three published articles per year in high-impact journals over the last 13 years. For all these reasons, I consider the candidate suitable for the position of professor (level 2) for the Academic Recruitment Field 05/E2 "Molecular Biology" at the Institute of Life Sciences of the Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna di Pisa.

Prof. Giorgio Valle

The scientific production of Andrea Zuccolo is very good, temporally consistent and published on top level scientific journals. The level of research is excellent in terms of originality and methodological rigour. The analysis of the 12 publications selected by the candidate reveals a good general expertise in molecular biology, in particular in the field of genome analysis, bioinformatics and analysis of transposons and repetitive regions in genomic sequences. Andrea Zuccolo has a good record of teaching experience, both at undergraduate and postgraduate level, and has been supervisor of several master and PhD thesis. On the bases of the above considerations, on my opinion, Andrea Zuccolo is perfectly satisfying the requirements of the call for a position of an Associate Professor in Molecular Biology.

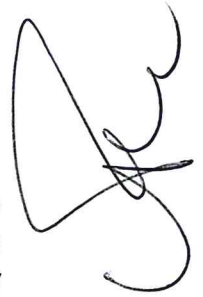
Prof. Giuseppe Turchetti

The candidate shows an extended international scientific production, continuous and very qualified, with many publications where he is first, second or last name. The productivity of the candidate is testified by a very interesting data record: 37 publications indexed in Scopus, 18 H Index, 5116 citations (at December 4th 2017). He spent several years abroad and has consolidated relationships with many international Academic Institutions. He participated in/coordinated several

international and national projects. He taught at both undergraduate and graduate programs, is faculty member of several doctoral programs, and shows an extended activity as tutor and supervisor of undergraduate and graduate students.

A handwritten signature in black ink, consisting of a large, stylized initial 'R' followed by a smaller, more complex flourish.

ANNEX 2 – Collegiate assessment for Dr. Andrea Zuccolo



Andrea Zuccolo is currently Assistant Professor (Ricercatore) at the "Institute of Life Sciences of the Scuola Superiore di Studi e Perfezionamento S. Anna" in Pisa and his research activity is mostly focused on bioinformatics and plant genomics, fully coherent with the topics of the discipline/scientific sector 05/E2 – BIO/11.

He is author of several papers published in peer reviewed international journals where a remarkable individual contribution is evident, in several cases, by his position in the Authors list. The analysis of the 12 publications selected by the candidate reveals a good general expertise in molecular biology, in particular in the field of genome analysis, bioinformatics and analysis of transposons and repetitive regions in genomic sequences.

At the date of Dec 4th 2017 the Scopus database records 37 publications with an h-index of 18, 5116 total number of citations, and an average of 138 citations per item. In particular, Dr. Zuccolo has an accomplished record in the field of Bioinformatics and very good experience with the analysis of sequence data, especially in the field of plant genomics, with emphasis in the study of transposons, LTR-RTs, CpG analysis, studies the effects of exon shuffling in maize and contributed to the analysis of the genome of several related species to this important crop. He has also contributed excellent reports on the analysis of the genomes of large conifers and their evolution. He spent several years abroad and has consolidated relationships with many international Academic Institutions. He participated in/coordinated several international and national projects.

Andrea Zuccolo has a good record of teaching experience, both at undergraduate and postgraduate level. The candidate has been a scientific board member for three related PhD programs over the last 6 years, has supervised five MSc students, has tutored or supervised three PhD students, and has supervised two post-doctoral fellows. The candidate has also been a member of many MSc and PhD thesis defense committees.

The Evaluation Committee therefore unanimously agrees that Dr Andrea Zuccolo's profile fully corresponds to the requirements envisaged by the call issued with the Rectoral Decree N. 446 dated 26/07/2017 for the position of Associate Professor for the discipline/scientific sector 05/E2 – BIO/11.