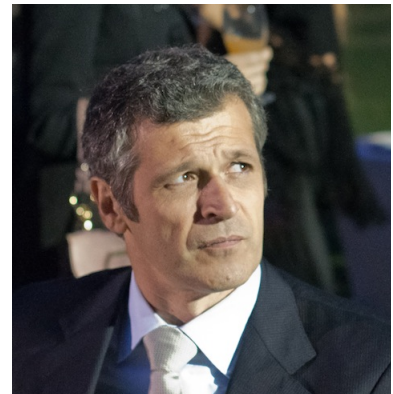


DAVIDE CARNEVALI

Personal data.

Davide Carnevali, born in Parma, Italy, on June 2nd 1971
Work address: Department of Life Sciences, University of Parma,
Parco Area delle Scienze 23/A, 43124 Parma (Italy).
Tel. +39-0521-905644. E-mail: davide.carnevali@nemo.unipr.it



Education.

2016 PhD in Biotechnology, University of Parma
2012 Master degree in Molecular Biology, University of Parma.
2010 Bachelor degree in Biology, University of Parma
2001 Master degree in Mechanical Engineering, University of Parma

Research experience.

2015-present CEO & Founder of AnotherWorld Srl, a company developing mobile App
2013-present PhD student in Biotechnology, University of Parma. Research on gene transcription mechanisms and regulation, functional genomics, ncRNA biogenesis and function
2013 Stage at the Department of Molecular, Cell and Developmental Biology of UCLA. Research in Computational Biology
2010-2012 Undergraduate student, Department of Biotechnology and Molecular Biology, University of Parma. Research on lncRNA focused on transcription and regulation of Alu elements
2006-2010 Bachelor student, Department of Biochemistry and Molecular Biology, University of Parma. Research on ureidoglycolate catabolism.
2006-2012 CIO of MI.PI.EN. S.p.A
1990-2001 Graduate student, Mechanical Engineering, University of Parma
1989-2006 CEO & Founder of CoNNet Internet Service Provider and PROTECHTA Internet Security companies

Technical skills and competences.

- Bioinformatic analysis of NGS data (RNA-seq, ChIP-Seq, DNA-Seq/VC, RRBS) and Microarray data
- Programming: R, Python, Perl, Gawk, Shell script
- Operating Systems: Unix/Linux/BSD, Windows, DOS, DR/DOS, AIX, OS/2
- Security and Networking: Routing & Switching, Firewalling, Intrusion detection and Prevention systems, Virtual private Networks, Wireless networks (801.11x, Bluetooth)
- Methodologies: Risk Analysis (OCTAVE, EBIOS), Information Security Standards (BS7799/ISO27001)
- Certifications: Cisco CCNA (Certified Cisco Network Analyst) and CCSP (Certified Cisco Security Professional), Isecom OPST (OSSTM Professional Security Tester)

Awards

- Chosen in 2005 as Independent Expert for ENISA Working Group (European Network Information Security Agency)

Current research interests

My research fields cover gene transcription mechanisms and regulation, functional genomics, ncRNA biogenesis and function. Actually i'm focused on improving an 'in-house' developed Python pipeline for the expression profiling of human retrotransposons (SINE and LINE) through computational screening of NGS data.

Publications.

1. Conti A, Carnevali D, Bollati V, Fustinoni S, Pellegrini M, Dieci G. Identification of RNA polymerase III-transcribed Alu loci by computational screening of RNA-Seq data. *Nucleic acids research*. 2015;43(2):817-35.
2. Carnevali D., Dieci G. Alu expression profiles as a novel RNA signature in biology and disease. *RNA & Disease*. 2015.
3. Dieci G, Conti A, Pagano A, Carnevali D. Identification of RNA polymerase III-transcribed genes in eukaryotic genomes. *Biochimica et biophysica acta*. 2013;1829(3-4):296-305.
4. Percudani R, Carnevali D, Puggioni V. Ureidoglycolate hydrolase, amidohydrolase, lyase: how errors in biological databases are incorporated in scientific papers and vice versa. *Database : the journal of biological databases and curation*. 2013;2013:bat071.