

## ***DR. COLLYDA CHRYSA***

### ***PERSONAL INFORMATION***

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◆ Date of birth:	February 20, 1976
◆ Citizenship:	Greek
◆ Gender:	Female
◆ Marital Status:	Married
◆ Spouse's Name:	Diplaris Sotiris
◆ Children:	3
◆ E-mail:	ckol@iti.gr, ckol2ooo@hotmail.com

### ***EDUCATION***

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**Aristotle University of Thessaloniki, Faculty of Medicine, Nov 2002-May 2008**

PhD Thesis Title: "Phylogenetic analysis of biological data"

*Grade: Excellent*

*Supervisor: Prof. Kostas Pappas, e-mail: cpappas@med.auth.gr*

**Aristotle University of Thessaloniki, Faculty of Medicine, Sep 2000- Oct 2002**

MSc in Medical Informatics

MSc thesis title: "mObile Tele-Echography using an ultra-Light rObot"

*Grade: Excellent*

*Supervisor: Prof. Michael G. Strintzis, e-mail: michael@iti.gr*

**Aristotle University of Thessaloniki, Faculty of Sciences, Department of Mathematics, Sep 1995-Mar 2000**

BSc in Mathematics

*Grade: Very Good*

### ***RESEARCH INTERESTS***

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- ◆ Internet and multimedia technologies
- ◆ Programming languages
- ◆ Image processing (especially in medical images)
- ◆ Human computer Interaction (especially in medical applications)
- ◆ Bioinformatics (biological data analysis especially in protein phylogenetic analysis)
- ◆ Medical Informatics (Telemedicine, Telehealth, disease management systems development)
- ◆ Decision support systems (especially in design and development on patient safety applications)

### ***PROFESSIONAL QUALIFICATIONS***

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- ◆ Design and development of web applications (HTML5, Javascript, JQuery, PHP)
- ◆ Programming Languages: Java, C/C++ , Pascal , Matlab , Visual Basic
- ◆ Design and Development of medical image processing algorithms
- ◆ Relational Databases Microsoft SQL Server, MySQL and Access
- ◆ Development of algorithms in medical informatics applications
- ◆ Design and Development of algorithms in Bioinformatics, in the fields of phylogenetic analysis, functional genomics/proteomics, multiple sequence alignment
- ◆ Design and development of CDSS systems
- ◆ Statistical analysis S-PLUS SPSS

- ◆ Self Motivated
- ◆ Fast Learner
- ◆ Team Player

## **PROFESSIONAL EXPERIENCE**

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### **Centre of Research and Technology Hellas (CERTH) , Informatics and Telematics Institute (ITI)**

**April 2016 – Today:** Computer Engineer (research, design and development), Project “MOVING, TraininG towards a society of data-saVvy information prOfessionals to enable open leadership INnovation”.

**Nov 2015 – Jan 2016:** Computer Engineer (research, design and development), Project “FP7 ICT IP ForgetIT, Concise Preservation by combining Managed Forgetting and Contextualized Remembering”.

**May 2014 – Oct 2015:** Computer Engineer (research, design and development), Project “Interdisciplinary cooperation in the Energy and Environment scientific areas for the strategic development, excellence preservation and competitiveness boost of CERTH through the exploitation of research results” Kripis.

**Feb 2013 – Apr 2014:** Computer Engineer (research, design and development), Project “FP7-318101 MediaMixer, Community set-up and networking for the reMIXing of online MEDIA fragments”.

### **Centre of Research and Technology Hellas (CERTH) , Institute of Biomedical and Biomolecular Research (IBBR)**

**Sep 2010 – Dec 2011:** Computer Engineer (research, design and development), Project “FP7 ICT-IP-247950 universAAL, UNIVERsal open platform and reference Specification for Ambient Assisted Living”.

### **Lab of Medical Informatics, Faculty of Medicine, Aristotle University of Thessaloniki**

**Oct 2009 – Dec 2009:** Computer Engineer (report of statistical data) “Creation of online social map for municipality of Thessaloniki”.

**Apr 2008 – Jun 2011:** Computer Engineer (research, design and development, design and development of Knowledge framework, evaluation report with analysis of results from pilots and recommendations) Project “FP7-ICT-IP-216130 PSIP, Patient Safety through Intelligent Procedures in medication”.

**Jul 2006 – Dec 2008:** Computer Engineer (research, design and development), Project “FP6-IST-4-027510 ASSIST, ASsociation Studies assisted by Inference and Semantic Technologies”.

**May 2006:** Computer Engineer, Medical practice of Faculty of Medicine, Aristotle University of Thessaloniki.

**May 2006 – Sep 2006:** Computer Engineer (research, design and development ), Promotion of Medical Education of “rural doctors” in cross border zone in technology themes and social medicine with the use of multimedia and technology in the internet.

**Nov 2004 – Nov 2005:** Teaching assistance, Scholarship “IRAKLEITOS: Research scholarships with priority in basic research”.

**Nov 2002 – Nov 2005:** Computer Engineer (research, design and development), Scholarship “IRAKLEITOS: Research scholarships with priority in basic research”.

### **Centre of Research and Technology Hellas (CERTH) , Hellenic Institute of Transport (HIT)**

**Mar 2008 – May 2008:** Computer Engineer (research, design and development), FP6-IST-5-034245, CATER, Computerized Automotive Technology Reconfiguration system for mass customization.

**GELCO GROUP COMPANY**

**Dec 2002 – Feb 2004:** Analyst, Computer Engineer in network applications and development of DBMS for internet applications.

**Centre of Research and Technology Hellas (CERTH) , Informatics and Telematics Institute (ITI)**

**Oct 2008 – Dec 2008:** Computer Engineer (design and development of educational material), Research Contract with Atlantis Consultant Company.

**Sep 2001 – Dec 2002:** Computer Engineer (research, design and development), Project IST-2001-32516, OTELO, mObile Tele-Echography using an ultra-Light rObot.

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**EDUCATIONAL EXPERIENCE**

**Centers of lifelong learning in municipality of Pilaia – Chortiati**

Teaching assistance, Courses: “Information technologies and old age”.

**IEK THERMIS, Sep 2013 – Feb 2014**

Teaching assistance, Courses: “Statistic with PC use I” and “Biostatistic I”.

**IEK THERMIS, Feb 2013 – Jun 2013**

Teaching assistance, Courses: “Internet technologies and services II”.

**IEK THERMIS, Sep 2012 – Feb 2013**

Teaching assistance, Courses: “Visual Basic”.

**Faculty of Medicine, Aristotle University of Thessaloniki**

**Aug 2003 – Feb 2006**

Teaching assistance, Courses “Medical Informatics” in PROMESI and “Simulation of non linear biological systems” in PROMESIP.

**Faculty of Medicine, Aristotle University of Thessaloniki**

**Sep 2003 – Aug 2006**

Teaching assistance, Courses: “Medical Informatics I” and “Medical Informatics II”.

**Ahepa hospital, Faculty of Medicine, Aristotle University of Thessaloniki**

**Sep 2003 – Jun 2005**

Teaching assistance, Courses: “Medical Informatics”.

**Ippokrateion hospital, Faculty of Medicine, Aristotle University of Thessaloniki**

**Sep 2003 – Jun 2004**

Teaching assistance, Courses: “Medical Informatics”.

**IEK SINDOU, Feb 2001 – Jun 2001**

Teaching assistance, Courses: “MsOffice”.

**IIEK OMEGA, Sep 2001 – Feb 2001**

Teaching assistance, Courses: “MsOffice, DOS – WIN”.

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**SCHOLARSHIPS**

**Greek Ministry of Education, Nov 2002 - Nov 2005**

Scholarship “IRAKLEITOS: Research scholarships with priority in basic research”.

**CERTH/ITI , Sep 2001 - Dec 2002**

Researcher – MSc student Scholarship.

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**PUBLICATIONS**

**“MOVING: Training Towards a Society of Data-savvy Information Professionals”**, A. Scherp, D. Pscheida, M. Wiese, Ch. Nishioka, Th. Köhler, A. Maas, Ch. Collyda, V. Mezaris, 13th Extended Semantic Web Conference (ESWC 2016) at the Project Networking session, Crete, May 29- June 2, 2016.

**“A web-based tool for fast instance-level labeling of videos and the creation of spatiotemporal media fragments”**, A. Ioannidou, E. Apostolidis, C. Collyda, V. Mezaris, Multimedia Tools and Applications, 2015, 26 December 2015.

**“Constructing Clinical Decision Support Systems for Adverse Drug Event Prevention: A Knowledge-based Approach”**, Vassilis Koutkias, Vassilis Kilintzis, George Stalidis, Katerina Lazou, Chrysa Collyda, Emmanuel Chazard, Peter McNair, Regis Beuscart, the PSIP Consortium, Nicos Maglaveras, 34<sup>th</sup> Annual Symposium on Biomedical and Health Informatics (AMIA 2010), Washington DC, USA, 13-17 November, 2010.

**“Profile Fuzzy Hidden Markov Models for Phylogenetic Analysis and Protein Classification”**, Ch. Collyda, S. Diplaris, P.A Mitkas, N. Maglaveras, C. Pappas, Fifth Annual Rocky Mountain Bioinformatics Conference 2007, Aspen/ Snowmass, CO, USA, 30-2 December, 2007.

**“Enhancing the Quality of Phylogenetic Analysis using Fuzzy Hidden Markov Model Alignments”**, Ch. Collyda, S. Diplaris, P. A. Mitkas, N. Maglaveras, C. Pappas, 12th International Health (Medical) Informatics Congress (MEDINFO 2007), Kuhn Klaus A, Warren James R, Leong Tze-Yun, IOS press, Studies in health technology and informatics, Vol. 129, pp. 1245-1249, Brisbane, 20-24 August, 2007.

**“Fuzzy Hidden Markov Models: A New Approach In Multiple Sequence Alignment”**, Ch. Collyda, S. Diplaris, P. A. Mitkas, N. Maglaveras. C. Pappas, 20th International Congress of the European Federation for Medical Informatics (MIE 2006), A. Hasman et al. (Eds.), IOS press, Studies in Health Technology and Informatics, Vol. 124, pp. 99-104, Maastricht, Netherlands, 27-30 August, 2006.

**“Towards building a model for the unification of distributed and heterogeneous biomedical repositories”**, Ch. Collyda, S. Diplaris, A. Delopoulos, N. Maglaveras, P.A. Mitkas and C. Pappas, 10th International Symposium for Health Information Management Research, Thessaloniki, ISHIMR 2005, Greece, September 2005.

**“A Multiple Sequence Alignment Tool using Hidden Markov Models for Phylogenetic Analysis”**, Ch. Collyda, N. Maglaveras, K.Pappas, Proc. 4th European Symposium on Biomedical Engineering (ESBME 2004), University of Patras Cultural and Conference Center, Patras, Greece, June 2004.

**“A User Interface Environment in Mobile Tele-Echography”**, S. Kyratzi, Ch. Collyda, G. Nikolakis, G. Triantafyllidis, D. Tzovaras, and M. G. Strintzis, Proc. International Academic conference on eHealth Telemedicine and Telecare (TELEMED 03), London, January 2003.

**“The Dicom Viewer of the Otelo Tele-Echography System”**, Chrysa Collyda, Sofia Kyratzi, George Triantafyllidis, N. Boulgouris and Michael G. Strintzis, 6th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2002) Orlando, USA, July 2002.

## **LANGUAGES**

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### **English**

Cambridge University, First Certificate in English.