

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **ALA UGO**
Year of birth 1977
Nationality Italian

WORK EXPERIENCE

- 2015-2016 Professor of "Abilita' informatiche" (Informatics) course at the S.U.I.S.M. - Scuola Universitaria Interfacoltà in Scienze Motorie di Torino (Interfaculty University School for the Motoric Sciences in Torino)
- 2015-2016 Professor of "Informatica" (Informatics) in the "C.I. FISICA E INFORMATICA" course at the Scuola Universitaria Interfacoltà per le Biotecnologie di Torino (Interfaculty University School for the Biotechnology in Torino)
- 2014-2015 Professor of "Abilita' informatiche" (Informatics) course at the S.U.I.S.M. - Scuola Universitaria Interfacoltà in Scienze Motorie di Torino (Interfaculty University School for the Motoric Sciences in Torino)
- 2014-2015 Professor of "Informatica" (Informatics) in the "C.I. FISICA E INFORMATICA" course at the Scuola Universitaria Interfacoltà per le Biotecnologie di Torino (Interfaculty University School for the Biotechnology in Torino)
- 2013-2014 Professor of "Abilita' informatiche" (Informatics) course at the S.U.I.S.M. - Scuola Universitaria Interfacoltà in Scienze Motorie di Torino (Interfaculty University School for the Motoric Sciences in Torino)
- 2013-2014 Professor of "Informatica" (Informatics) in the "C.I. FISICA E INFORMATICA" course at the Scuola Universitaria Interfacoltà per le Biotecnologie di Torino (Interfaculty University School for the Biotechnology in Torino)
- 2013 Teacher of "Statistica Applicata e Bioinformatica" (Applied statistics and Bioinformatics) – Corso IFTS - IVREA: Istituto di Istruzione Superiore "C. Olivetti»
- 2012-2013 Professor of "Abilita' informatiche" (Informatics) course at the S.U.I.S.M. - Scuola Universitaria Interfacoltà in Scienze Motorie di Torino (Interfaculty University School for the Motoric Sciences in Torino)
- 2012-2013 Teacher of "FISICA" (Physics) in the "Corso di Riallineamento Fisica" course at the Corso di Laurea Magistrale in Medicina e Chirurgia della Facoltà San Luigi Gonzaga - Orbassano (TO) (Master Degree in Medicine and Surgery at San Luigi Gonzaga Faculty)
- 2012-2013 Professor of "Informatica" (Informatics) in the "C.I. FISICA E INFORMATICA" course at the Scuola Universitaria Interfacoltà per le Biotecnologie di Torino (Interfaculty University School for the Biotechnology in Torino)
- 2011 Teacher of "Statistica Applicata e Bioinformatica" (Applied statistics and Bioinformatics) – Corso IFTS - TORINO: ITIS AVOGADRO
- 2010-2011 Teacher of "Biostatistica con Applicazioni Informatiche" (Biostatistics with Informatics applications) at the Scuola Universitaria Interfacoltà per le Biotecnologie di Torino (Interfaculty University School for the Biotechnology in Torino)
- 2009 Teacher of "Statistica Applicata e Bioinformatica" (Applied statistics and Bioinformatics) – Corso IFTS - BUSSOLENO: LICEO "NORBERTO ROSA"
- 2006-2011 Tutor for the practical course of "Statistica per l'analisi dei dati di interesse biologico" (Statistics for biological data analysis) in the context of the Scuola di Bioinformatica of the Fondazione per le Biotecnologie (<http://www.fobiotech.org/>)
- 2006-2010 Tutor for the practical course of "Abilita' informatiche" (Informatics ability) in the context of the

Corso di Laurea in Biotecnologie at the Università degli Studi di Torino; “*Culture della materia*” from 2009

2006-2010 Tutor for the practical course of “*Biologia Molecolare e Computazionale*” (Computational and Molecular Biology) in the context of the Corso di Laurea in Biotecnologie Molecolari at the Università degli Studi di Torino; “*Culture della materia*” from 2010

2006-2007 Teacher at the Bioinformatics Master organized by the *Fondazione per le Biotecnologie* in collaboration with the Università degli Studi di Torino. Topics: Perl programming, gene co-expression and phylogenetic analysis

1999-2006 Teacher of Mathematics and Physics in intermediate schools

EDUCATION AND TRAINING

2009

Ph.D. in Molecular Biotechnology/Bioinformatics

• Name and type of organisation providing education and training

Molecular Biotechnology Center and the Department of Genetics, Biology and Biochemistry of the University of Torino (XXI cycle)

• Thesis title

Conserved gene co-expression approaches to discover functional relationships among mammalian genes

• Supervisor

Prof. Ferdinando Di Cunto

2005

Postgraduate Master in Bioinformatics

• Name and type of organisation providing education and training

University of Torino and Fondazione per le Biotecnologie, Torino, Italy

• Thesis title

Implementazione di un sistema per analisi di coespressione uomo-topo basato su dati Affymetrix” (“Implementation of a tool for human-mouse co-expression analysis based on Affymetrix data”)

• Supervisor

Prof. Ferdinando di Cunto

• Final grade

110 out of 110

2004

Master’s degree in Theoretical Physics

• Name and type of organisation providing education and training

University of Torino

• Thesis title

Studio numerico della funzione di Wigner e applicazioni” (“Numerical study of Wigner function and applications”)

• Supervisor

Dr Marco Genovese

• Final grade

108 out of 110

POSTDOCTORAL TRAINING

12/2014 – 12/2015

Postdoctoral Fellowship – Assegno di ricerca – EPIGEN - Sviluppo di approcci computazionali per l'integrazione di dati epigenomici in *Drosophila melanogaster*

Name and type of organisation providing education and training

Computational Biology Unit @ Molecular Biotechnology Center (MBC) - Dept. of Molecular Biotechnology and Health Sciences

• Supervisor

Ferdinando Di Cunto, PhD and Paolo Provero, PhD

12/2013 – 12/2014

Postdoctoral Fellowship – Assegno di ricerca – EPIGEN - Sviluppo di approcci computazionali per l'integrazione di dati epigenomici in *Drosophila melanogaster*

Name and type of organisation providing education and training

Computational Biology Unit @ Molecular Biotechnology Center (MBC) - Dept. of Molecular Biotechnology and Health Sciences

• Supervisor

Ferdinando Di Cunto, PhD and Paolo Provero, PhD

05/2012 - 11/2013

Postdoctoral Fellowship

Name and type of organisation providing education and training

Computational Biology Unit @ Molecular Biotechnology Center (MBC) - Dept. of Molecular Biotechnology and Health Sciences

• Supervisor

Paolo Provero, PhD and Ferdinando Di Cunto, PhD

05/2011 - 04/2012

Postdoctoral Fellowship

• Name and type of organisation providing education and training

BIDMC, Harvard Medical School and Molecular Biotechnology Center and the Department of Genetics, Biology and Biochemistry of the University of Torino

• Supervisor

PierPaolo Pandolfi, MD PhD and Paolo Provero, PhD

01/2010 - 04/2011

Postdoctoral Fellowship

- Name and type of organisation providing education and training
- Supervisor

Molecular Biotechnology Center and the Department of Genetics, Biology and Biochemistry of the University of Torino
Paolo Provero, PhD

RESEARCH OUTPUT

Scientific Publications
(*first co-author)

1. Procopio MG, Laszlo C, Al Labban D, Kim DE, Bordignon P, Jo SH, Goruppi S, Menietti E, Ostano P, **Ala U**, Provero P, Hoetzenecker W, Neel V, Kilarski WW, Swartz MA, Brisken C, Lefort K, Dotto GP. „Combined CSL and p53 downregulation promotes cancer-associated fibroblast activation.“ *Nat Cell Biol.* 2015 Sep;17(9):1193-204. doi: 10.1038/ncb3228. Epub 2015 Aug 24.
2. Karreth FA, Reschke M, Ruocco A, Ng C, Chapuy B, Léopold V, Sjöberg M, Keane TM, Verma A, **Ala U**, Tay Y, Wu D, Seitzer N, Velasco-Herrera MD, Bothmer A, Fung J, Langellotto F, Rodig SJ, Elemento O, Shipp MA, Adams DJ, Chiarle R, Pandolfi PP. "The BRAF Pseudogene Functions as a Competitive Endogenous RNA and Induces Lymphoma In Vivo" *Cell.* 2015 Apr 1. pii: S0092-8674(15)00244-5. doi: 10.1016/j.cell.2015.02.043. [Epub ahead of print]
3. Lunardi A, Varmeh S, Chen M, Taulli R, Guarnerio J, **Ala U**, Seitzer N, Ishikawa T, Carver BS, Hobbs RM, Quarantotti V, Ng C, Berger AH, Nardella C, Poliseno L, Montironi R, Castillo-Martin M, Cordon-Cardo C, Signoretti S, Pandolfi PP "Suppression of CHK1 by ETS family members promotes DNA damage response by-pass and tumorigenesis" *Cancer Discov.* 2015 Feb 4. pii: CD-13-1050
4. Coda DM, Lingua MF, Morena D, Foglizzo V, Bersani F, **Ala U**, Ponzetto C, Taulli R. "Smyd1 And G6Pd Modulation Are Critical Events For Mir-206-Mediated Differentiation Of Rhabdomyosarcoma" *Cell Cycle.* 2015 Feb 2:0
5. Jlenia Guarnerio, Nadia Coltella, **Ugo Ala**, Giovanni Tonon, Pier Paolo Pandolfi and Rosa Bernardi. "Bone Marrow Endosteal Mesenchymal Progenitors Depend on HIF Factors for Maintenance and Regulation of Hematopoiesis" *Stem Cell Reports j Vol. 2 j 1–16 j June 3, 2014*
6. Karreth FA, **Ala U**, Provero P, Pandolfi PP. "Pseudogenes as Competitive Endogenous RNAs: Target Prediction and Validation." *Methods Mol Biol.* 2014;1167:199-212. doi: 10.1007/978-1-4939-0835-6_13
7. Reschke M, Clohessy JG, Seitzer N, Goldstein DP, Breitkopf SB, Schmolze DB, **Ala U**, Asara JM, Beck AH, Pandolfi PP. „Characterization and Analysis of the Composition and Dynamics of the Mammalian Riboproteome.“ *Cell Rep.* 2013 Sep 17. pii: S2211-1247(13)00438-5. doi: 10.1016/j.celrep.2013.08.014.
8. Molineris I, **Ala U**, Provero P, Di Cunto F. „Drug repositioning for orphan genetic diseases through Conserved Anticoexpressed Gene Clusters (CAGCs).“ *BMC Bioinformatics* 2013 Oct 2;14:288. doi: 10.1186/1471-2105-14-288
9. Song SJ, Ito K, **Ala U**, Kats L, Webster K, Sun SM, Jongen-Lavrencic M, Manova-Todorova K, Teruya-Feldstein J, Avigan DE, Delwel R, Pandolfi PP. "The Oncogenic MicroRNA miR-22 Targets the TET2 Tumor Suppressor to Promote Hematopoietic Stem Cell Self-Renewal and Transformation." *Cell Stem Cell.* 2013 Jul 3;13(1):87-101. doi: 10.1016/j.stem.2013.06.003.
10. Song SJ, Poliseno L, Song MS, **Ala U**, Webster K, Ng C, Beringer G, Brikbak NJ, Yuan X, Cantley LC, Richardson AL, Pandolfi PP. "MicroRNA-Antagonism Regulates Breast Cancer Stemness and Metastasis via TET-Family-Dependent Chromatin Remodeling." *Cell.* 2013 Jul 2. pii: S0092-8674(13)00765-4. doi: 10.1016/j.cell.2013.06.026. [Epub ahead of print]
11. Taulli R, Foglizzo V, Morena D, Coda DM, **Ala U**, Bersani F, Maestro N, Ponzetto C. "Failure to downregulate the BAF53a subunit of the SWI/SNF chromatin remodeling complex contributes to the differentiation block in rhabdomyosarcoma." *Oncogene.* 2013 Jun 3. doi: 10.1038/onc.2013.188. [Epub ahead of print]
12. Lunardi A, **Ala U**, Epping MT, Salmena L, Clohessy JG, Webster KA, Wang G, Mazzucchelli R, Bianconi M, Stack EC, Lis R, Patnaik A, Cantley LC, Bubley G, Cordon-Cardo C, Gerald WL, Montironi R, Signoretti S, Loda M, Nardella C, Pandolfi PP. "A co-clinical approach identifies mechanisms and potential therapies for androgen deprivation resistance in prostate cancer." *Nat Genet.* 2013 Jun 2;45(7):747-55. doi: 10.1038/ng.2650. Epub 2013 Jun 2.
13. Wang G, Lunardi A, Zhang J, Chen Z, **Ala U**, Webster KA, Tay Y, Gonzalez-

- Billalabeitia E, Egia A, Shaffer DR, Carver B, Liu XS, Taulli R, Kuo WP, Nardella C, Signoretti S, Cordon-Cardo C, Gerald WL, Pandolfi PP. "Zbtb7a suppresses prostate cancer through repression of a Sox9-dependent pathway for cellular senescence bypass and tumor invasion." *Nat Genet.* 2013 Jun 2;45(7):739-746. doi: 10.1038/ng.2654. Epub 2013 Jun 2.
14. **Ala U**(*), Karreth FA, Bosia C, Pagnani A, Taulli R, Léopold V, Tay Y, Provero P, Zecchina R, Pandolfi PP. „Integrated transcriptional and competitive endogenous RNA networks are cross-regulated in permissive molecular environments.“ *Proc Natl Acad Sci U S A.* 2013 Apr 30;110(18):7154-9 doi: 10.1073/pnas.1222509110
 15. Solej M, Martino V, Mao P, Enrico S, Rosa R, Fornari M, Destefano I, Ferrarese AG, Gibin E, Bindi F, Falcone A, **Ala U**, Nano M. „Early versus delayed laparoscopic cholecystectomy for acute cholecystitis“ *Minerva Chir.* 2012 Oct;67(5):381-7.
 16. Ito K, Carracedo A, Weiss D, Arai F, **Ala U**, Avigan DE, Schafer ZT, Evans RM, Suda T, Lee CH, Pandolfi PP. „A PML-PPAR- δ pathway for fatty acid oxidation regulates hematopoietic stem cell maintenance.“ *Nat Med.* 2012 Aug 19. doi: 10.1038/nm.2882. [Epub ahead of print]
 17. Karreth FA, Tay Y, Perna D, **Ala U**, Tan SM, Rust AG, DeNicola G, Webster KA, Weiss D, Perez-Mancera PA, Krauthammer M, Halaban R, Provero P, Adams DJ, Tuveson DA, Pandolfi PP. "In vivo identification of tumor- suppressive PTEN ceRNAs in an oncogenic BRAF-induced mouse model of melanoma." *Cell.* 2011 Oct 14;147(2):382-95.
 18. Tay Y, Kats L, Salmena L, Weiss D, Tan SM, **Ala U**, Karreth F, Poliseno L, Provero P, Di Cunto F, Lieberman J, Rigoutsos I, Pandolfi PP."Coding-independent regulation of the tumor suppressor PTEN by competing endogenous mRNAs." *Cell.* 2011 Oct 14;147(2):344-57.
 19. Forlani G, Giarda E, **Ala U**, Di Cunto F, Salani M, Tupler R, Kilstrup-Nielsen C, Landsberger N: "The MeCP2/YY1 interaction regulates ANT1 expression at 4q35: novel hints for Rett syndrome pathogenesis." *Hum Mol Genet.* 2010 Aug 15;19(16):3114-23.
 20. Bianchi FT, Camera P, **Ala U**, Imperiale D, Migheli A, Boda E, Tempia F, Berto G, Bosio Y, Oddo S, Laferla FM, Taraglio S, Dotti CG, Di Cunto F. (2011). The Collagen Chaperone HSP47 Is a New Interactor of APP that Affects the Levels of Extracellular Beta-Amyloid Peptides.. *PLOS ONE*, vol. 6, ISSN: 1932-6203, doi: 10.1371/journal.pone.0022370
 21. **Ala U**(*), Piro RM, Grassi E, Damasco C, Silengo L, Oti M, Provero P, Di Cunto F: "Prediction of human disease genes by human-mouse conserved coexpression analysis". *PloS Comput Biol*, 2008 Mar 28 ; 4(3).
 22. Miozzi L, Piro RM, Rosa F, **Ala U**, Silengo L, Di Cunto F, Provero P: " Functional annotation and identification of candidate disease genes by computational analysis of normal tissue gene expression data." *PLoS ONE.* 2008 Jun 18;3(6).
 23. Piro RM, Molineris I, **Ala U**, Provero P, Di Cunto F. "Candidate gene prioritization based on spatially mapped gene expression: an application to XLMR." *Bioinformatics.* 2010 Sep 15;26(18):i618-24.
 24. Molineris I, Grassi E, **Ala U**, Di Cunto F, Provero P, "Evolution of promoter affinity for transcription factors in the human lineage." *Molecular Biology and Evolution.* 2011 Aug;28(8):2173-83. Epub 2011 Feb 18.
 25. Piro RM, **Ala U**(*), Molineris I, Grassi E, Bracco C, Perego GP, Provero P, Di Cunto F, "An atlas of tissue-specific conserved coexpression for functional annotation and disease gene prediction" *European Journal of Human Genetics.* 2011 Jun 8. doi: 10.1038/ejhg.2011.96. [Epub ahead of print]
 26. Piro RM, Molineris I, **Ala U**, Di Cunto F."Evaluation of candidate genes from orphan FEB and GEFS+ loci by analysis of human brain gene expression atlases." *PLoS One.* 2011;6(8):e23149. Epub 2011 Aug 1
- Chapter: "**Introduction to GRNs (Gene Regulatory Networks)**" in "**Handbook of Research on Computational Methodologies in Gene Regulatory Networks**" (Edited By: Sanjoy Das, Kansas State University, USA; Doina Caragea, Kansas State University, USA; Stephen Welch, Kansas State University, USA; William H. Hsu, Kansas State University, USA); 2010
 - Sections "**Esercitiamoci insieme**" e "**Ricordati che ...**" in "**Dentro la fisica**" Vol.2 (A. Caforio- A. Ferilli, Edumont Le Monnier Scuola)

Book contributions

- Reviewer activity:
- Reviewer for *PlosONE*, *Biophysical Journal – Cell* and *Journal of Hematology & Oncology*
- Workshop participation:
- EPIGEN RNA-Seq Workshop
December 3-4, 2013. Bari
- Conference talks:
- EPIGEN Annual Meeting
Roma, 21-24 April 2015
Talk: “Chronic disruption of the circadian rhythmicity and chromatin epigenetic modifications in the model organism Drosophila melanogaster”
 - Festival della Scienza – Futuro Prossimo
Genova, 23 October – 3 November 2013
Talk: “Big Omics: when the knowledge meets its boundaries”
 - Festival della Scienza – Futuro Prossimo
Genova, 25 October – 4 November 2012
Talk: “Facebook al tempo della Santa Inquisizione”
 - XII Congresso FISV.
Roma, 24-27 September 2012.
Talk: “The ceRNA world: a new way of looking at the role of different RNA molecules.”
 - ABCD Meeting.
Gubbio, 18-20 Giugno 2009
Talk: “Tissue-specific human-mouse conserved co-expression networks for prediction of mammalian genes functional properties.”
 - 5° Seminario SIBBM “Frontiers in Molecular Biology”.
Napoli, 4-6 giugno 2009.
Talk: “Tissue-specific human-mouse conserved co-expression networks for prediction of mammalian genes functional properties.”
 - IX Convegno FISV.
Riva del Garda, 26-29 September 2007.
Talk: “Human-Mouse conserved co-expression networks predict candidate disease genes”
- Conference participation:
- III European bioalpine convention.
Geneve, 3-4 December 2008
Poster: “Tissue- and state- specific co-expression analysis for prediction of mammalian genes functional properties and of human disease genes”
Winner in the Bioinformatics Poster Session
 - III Functional genomics and disease.
Innsbruck, 1-4 October 2008
Poster: “A wide collection of microarray data to infer global and specific biological relationships across species”
 - Riunione Nazionale Dottorandi ABCD 2007.
Rimini, 17-19 May 2007.
Poster: “Generation and analysis of a human-mouse conserved co-expression network”
 - BITS.
Napoli, 26-28 April 2007.
Poster: “Generation and analysis of a human-mouse conserved co-expression network”
 - EuroGP-EvoCOP-EvoBIO-EvoWorkshop.
Valencia, 11-13 April 2007
 - 3th EMBO Conference: From Functional Genomics to Systems Biology.
Heidelberg, 14–17 November, 2006.
Poster: “Generation and analysis of a human-mouse conserved co-expression network”
 - BITS.
Bologna, 28-29 April 2006.

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

Italian

OTHER LANGUAGES

English

- Reading skills Excellent
- Writing skills Good
- Verbal skills Good

French

- Reading skills Excellent
- Writing skills Good
- Verbal skills Good

SOCIAL SKILLS
AND COMPETENCES

Good experience in working with other people, in positions where communication and teamwork is very important, still improved during my Post-Doc period at the Harvard Medical Schools Cancer Center in Boston, where I had the great opportunity to work in a very exciting multicultural environment.

ORGANISATIONAL SKILLS
AND COMPETENCES

Good experience in team working, where the ability to cooperate and the encouragement of cooperation is essential, acquired both in the scientific environment and in other music and cultural associations, where I was in the directional board.

TECHNICAL SKILLS
AND COMPETENCES

Operating System: Linux, Unix, Windows 2000/XP/Vista/7

Programming Languages: Fortran, Perl, C, R, MySQL

Applications: OFFICE 2000, LaTeX, Mathematica, GraphPad Prism

Advanced use of principal bioinformatics softwares for sequence analysis, microarray normalization and statistics, NGS data: BLAST, CLUSTALW, PHILIP, Cluster 3.0, TreeView, RMA, MAS5, Aracne, MrBayes, GSEA, Bowtie, TopHat, Cufflink

NARRATIVE REPORT

From the beginning of my PhD until now, I always had great opportunities to work in many scientific teams where I had the chance to grow my attitude to collaborate with other people acquiring good experience in team working, where the ability to cooperate and the encouragement of cooperation is essential. This experience has been improved further not only in other music and cultural associations, where I was in the directional board, but mainly during my Post-Doc period at the Harvard Medical Schools Cancer Center in Boston, where I had the great opportunity to work in a very exciting multicultural environment.

My major activities have been focused both on a scientific activity with the attempt to improve the field of analysis of biological networks and the integration of expression data with transcription factors binding sites and miRNA target prediction and functions. The goal is to obtain a more structured picture of cell function and the teaching activity focused to give students instruments to analyze and manipulate huge amounts of data belonging to the new biological high-throughput technologies.

My major research activities have been focused on the gene functional annotation and disease gene prediction through study of gene co-expression, mostly based on analysis of micro-array data. I have shown, in a systematical way, that the integration of human-mouse conserved co-expression networks with a phenotype similarity map allows the efficient identification of disease genes in large genomic regions. Moreover, I showed that the simultaneous use of generic and tissue-specific conserved co-expression networks, when combined with phenome derived networks, is an improvement towards a more efficient prediction of human disease genes than the use of generic networks alone. Before joining Pandolfi Lab at Beth Israel Deaconess Medical Center, I worked also on the integration of transcription factors binding sites prediction, via sequence alignment of positional weight matrix and phylogenetic conservation, and miRNA target prediction with expression data. In the last year spent at the BIDMC Cancer Center, I have had the possibility to reach many insights in the molecular cancer biology and contribute in new views of the genome non-coding space (new roles for the miRNAs and lncRNAs). In the last period, I extended my researches by using Next

Generation Sequencing data (in particular RNA_Seq experiments), representing an impressive new field of information far more precise and accurate.

My teaching activity began with Mathematics and Physics in the intermediate schools and moved to the Academia as "*Professore a contratto*". Now it includes two major fields: *Statistics* as a fundamental instrument for the comprehension and the design of biomedical studies and *Introduction to Programming Language* in order to provide biologists and bio-informaticians the expertise to properly query biological databases and to perform data and meta-data analysis in a more flexible way. In the group where I am working now, I have the possibility to follow and coordinate the graduation projects of some students (based mainly on the analysis of ncRNAs function, with a special interest on miRNAs and circRNAs).

During these years, I have had some satisfying and very important insights in the field of conserved gene co-expression networks, gene disease prediction and genome non-coding space functions, having the possibility to merge scientific and teaching activities in a fruitful way, sharing new acquisitions with the students I had the opportunity to follow for their graduation.

DRIVING LICENCE(S)

Driving licence of type B (from December 1995)

Il sottoscritto esprime il proprio consenso affinché i dati personali forniti possano essere trattati, nel rispetto del Decreto Legislativo n. 196/2003, per gli adempimenti connessi alla presente procedura.

Torino, 30 Settembre 2015

Ugo ALA

A handwritten signature in black ink, appearing to read 'Ugo ALA', with a large, sweeping flourish at the end.