ALESSANDRO FATICA
Curriculum Vitae

Part I – Education

Type	Year	Institution	Notes (Degree, Experience,…)
University graduation	1995	Sapienza University of Rome	M.S. Biological Science (*summa cum laude*)
PhD	1999	Sapienza University of Rome	PhD in Genetics and Molecular Biology
Pre-doctorate training	1997	Dept of Cellular Biology, University of Geneve Sciences III, Switzerland	EMBO Short Term fellow (3 months)

Part II– Appointments

IIA – Academic Appointments

Start	End	Institution	Position
2018	2021	Scuola Superiore di Studi Avanzati Sapienza (SSAS)	Senior Research Fellow
2018	2021	Laurea magistrale in Genetica e Biologia Molecolare- Sapienza University of Rome	Director
2015	2018	Laurea magistrale in Genetica e Biologia Molecolare- Sapienza University of Rome	Vice Director
2012	present	Dept. of Biology and Biotechnology, Sapienza, University of Rome	Associate professor
2010	present	PhD program in Genetics and Molecular Biology, Sapienza University of Rome	Member of the teaching board
2003	2012	Dept. of Biology and Biotechnology, Sapienza, University of Rome	Researcher

IIB – Other Appointments

Start	End	Institution	Position
2002	2003	Wellcome-Trust Centre for Cell Biology, University of Edinburgh, UK.	Wellcome-Trust Research fellow
2000	2002	Institute of Cell and Molecular Biology, University of Edinbuirgh, UK.	EMBO Long Term fellow
1998	2000	Dept of Genetics and Molecular Biology, Sapienza University of Rome, Italy.	C.N.R Research fellow

Part III – Teaching experience

Year	Institution	Lecture/Course
2019-2021	Scuola Superiore di Studi Avanzati Sapienza (SSAS)	Coordinator of the course “Metodi per l’analisi di acidi nucleici e proteine”
2018-present	Laurea magistrale in Neurobiologia - Sapienza University of Rome	Holder of the course “Neurobiologia Molecolare I” modulo I - 3 CFU
2016-present	Laurea magistrale in Genetica e Biologia Molecolare - Sapienza University of Rome	Holder of the course “Regolazione dell’espressione genica negli eucarioti” - 12 CFU
2011-2017	Laurea magistrale in Neurobiologia -	Holder of the course “Metodologie dell'RNA” – 6

	Sapienza University of Rome	CFU
2007-2016	Laurea magistrale in Genetica e Biologia Molecolare - Sapienza University of Rome	Holder of the course "Regolazione post-trascrizionale II" - 6 CFU
2004-2007	Laurea magistrale in Genetica e Biologia Molecolare - Sapienza University of Rome	Holder of the course "Metodi e sistemi in biologia molecolare" – 6 CFU

Part IV - Society memberberships, Awards and Honors

Year	Title
2020	"Riconoscimento di eccellente insegnamento universitario", Facoltà di Sc.M.F.N., Sapienza Università di Roma.
2015	"Riconoscimento di eccellente insegnamento universitario", Facoltà di Sc.M.F.N., Sapienza Università di Roma.
2017-present	Accademia Medica di Roma", membership.
2009	Winner of the Research Dissemination Project of the Atomium Culture Organization.
2001-2009	"Società Italiana di Biofisica e Biologia Molecolare (SIBBM)", membership.
2000	Winner of a 2 years EMBO Long Term fellowship.
2000	Winner of a 2 years Cenci-Bolognetti fellowship.
1998	Winner of a 2 years CNR fellowship.
1996	Winner of a 3 months EMBO Short Term fellowship.

Part V - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2020	"Investigating the role of METTL3 in N^6-methyladenosine (m^6A)-dependent translation control of MYC transcribed gene" -PI	Progetti Ateneo Piccoli 2020 Sapienza Università di Roma-1 year	EUR 4.000
2019	"Investigating the role of the N^6-methyladenosine as a therapeutic target in Chronic Myeloid Leukaemia" - PI	Progetti Ateneo Medi 2019 Sapienza Università di Roma-1 year	EUR 14.500
2019	"Age-related changes in Hematopoiesis" - PI	EU/H2020 Innovative Training Network -3 years	EUR 250.000
2017	"I nvestigating the role of the m^6A RNA methyltransferase METTL3 in Acute Myeloid Leukemia" -PI	Progetti Ateneo Medi 2017 Sapienza Università di Roma-1 year	EUR 13.000
2015	"Functional characterization of long non-coding RNAs in acute myeloid leukemia" - PI	AIRC INVESTIGATOR GRANT 2015 -3 years	EUR 120.000
2015	"Functional characterization of long non-coding RNAs in acute myeloid leukaemia" -PI	Progetti Ateneo Medi 2015 Sapienza Università of Roma-1 year	EUR 9.000
2011	"Hematopoietic cell identity: genetic and epigenetic regulation in normal and malignant hematopoiesis"- PI	EU/FP7 Marie Curie Initial Training Network – 3 years	EUR 250.000
2011	"microRNAs: from mechanisms to diagnostic and therapeutic applications" - I	FIRB-MIUR 2011 -3 years	EUR 360.000
2011	"RNA−based gene therapy of Duchenne Muscular Dystrophy: role of miRNA	Telethon 2011- 3 years	EUR 305.000

	deregulation in the pathogenesis of DMD and their possible use for improving the exon skipping strategy"- I		
2010	"Design of new molecular strategies for the study of neuronal differentiation and for the therapy of neurodegenerative disorders and neuronal cancers"- I	SEED-IIT 2010 – 3 years	EUR 320.000
2009	"RNA-RNA and RNA-protein interactions: role of small non-coding RNAs in gene expression control"- I	Cenci-Bolognetti 2009- 3 years	EUR 75.000
2007	"Silencing RNAs: organizers and coordinators of complexity in eukaryotic organisms" -I	EU/FP7 Integrated Project 2007-2010	EUR 500.000
2007	"Role of microRNAs in cell differentiation and in tumorigenesis"- I	MIUR/PRIN 2007-2010	EUR 99.500
2005	"RNA interference technology as human therapeutic tool" - I	EU/FP6 Integrated Project 2005-2008	EUR 300.000

Part VI – Research Activities

Keywords	Brief Description
m^6A, RNA modifications, leukaemia, lncRNA, circRNA	The focus of my research group at the moment is the study of chemical modifications of messenger RNAs (mRNAs) and non-coding RNA (lncRNAs and circRNAs) and how these modification function to regulate mRNA translation and non-coding RNA function. Furthermore, we are studying how the enzymes that mediate these modifications are implicated in chronic and acute myeloid leukaemia.

Part VII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	59	Scopus	1995	2021
Book chapter [international]	1	Scopus	1995	2021

Total Impact factor	457,92
Total Citations	6297
Average Citations per Product	104,95
Hirsch (H) index	32
Normalized H index*	1,2

*H index divided by the academic seniority.

Part VIII– Selected Publications

1. Tassinari V, Cesarini V, Tomaselli S, Ianniello Z, Silvestris DA, Ginistrelli LC, Martini M, De Angelis B, De Luca G, Vitiani LR, Fatica A, Locatelli F, Gallo A. **2021**. ADAR1 is a new target of METTL3 and plays a pro-oncogenic role in glioblastoma by an editing-independent mechanism. *Genome Biol.* 22: 51.

2. Di Timoteo G, Dattilo D, Centrón-Broco A, Colantoni A, Guarnacci M, Rossi F, Incarnato D, Oliviero S, Fatica A, Morlando M, Bozzoni I. **2020**. Modulation of circRNA Metabolism by m^6A Modification. *Cell Rep*., 31:107641.

3. Ianniello Z, Paiardini A, Fatica A. **2019**. N^6-Methyladenosine (m^6A): A Promising New Molecular Target in Acute Myeloid Leukemia. *Front Oncol.*, 9: 251.

4. Sorci M, Ianniello Z, Cruciani S, Larivera S, Ginistrelli LC, Capuano E, Marchioni M, Fazi F, Fatica A. **2018**. METTL3 regulates WTAP protein homeostasis. *Cell Death Dis*., 9:796.

5. Legnini I, Di Timoteo G, Rossi F, Morlando M, Briganti F, Sthandier O, Fatica A, Santini T, Andronache A, Wade M, Laneve P, Rajewsky N, Bozzoni I. **2017**. Circ-ZNF609 Is a Circular RNA that Can Be Translated and Functions in Myogenesis. *Mol Cell*, 66:22-37.

6. Hughes JM, Salvatori B, Giorgi FM, Bozzoni I, Fatica. **2014**. CEBPA-regulated lncRNAs, new players in the study of acute myeloid leukemia. *J Hematol Oncol*. 7:69.

7. Legnini I, Morlando M, Mangiavacchi A, Fatica A, Bozzoni I. **2014**. A feedforward regulatory loop between HuR and the long noncoding RNA linc-MD1 controls early phases of myogenesis. *Mol Cell*, 53:506-14.

8. Fatica A, Bozzoni I. **2014**. Long non-coding RNAs: new players in cell differentiation and development. *Nat Rev Genet*., 15:7-21.

9. Salvatori B, Iosue I, Mangiavacchi A, Loddo G, Padula F, Chiaretti S, Peragine N, Bozzoni I, Fazi F, Fatica A. **2012**. The microRNA-26a target E2F7 sustains cell proliferation and inhibits monocytic differentiation of acute myeloid leukemia cells. *Cell Death Dis*., 3: e413.

10. De Marchis M L , Ballarino M , Salvatori B, Puzzolo M C, Bozzoni I, Fatica A*. **2009** A new molecular network comprising PU.1, interferon regulatory factor proteins and miR-342 stimulates ATRA-mediated granulocytic differentiation of acute promyelocytic leukemia cells. *Leukemia*, 23: 856-862.

11. Fazi F, Rosa A, Fatica A, Gelmetti V, De Marchis ML, Nervi C, Bozzoni I. **2005**. A mini-circuitry comprising microRNA-223 and transcription factors NFI-A and C/EBPa regulates human granulopoiesis. *Cell* 123: 819-831.

12. De Marchis M L, Giorgi A, Schinina ME, Bozzoni I, Fatica A. **2005**. Rrp15p, a novel component of pre-ribosomal particles required for 60S ribosome subunit maturation. *RNA* 11: 495-502.

13. Fatica A, Oeffinger M, Tollervey D, Bozzoni I. **2003**. Cic1p/Nsa3p is required for synthesis and nuclear export of 60S ribosomal subunits. *RNA* 9:1431-1436.

14. Fatica A, Tollervey D. **2002**. Making ribosomes. *Curr Opin Cell Biol.* 14: 313-318.

15. Fatica A, Cronshaw AD, Dlakic M, Tollervey D. **2002**. Ssf1p prevents premature processing of an early pre-60S ribosomal particle. *Mol. Cell* 9: 341-351.

16. Fatica A, Morlando M, Bozzoni I. **2000**. Yeast snoRNA accumulation relies on a cleavage-dependent/polyadenylation-independent 3'-processing apparatus. *EMBO J* 19: 6218-6229.

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