

INFORMAZIONI PERSONALI **Manuel Beltran Nebot**

ASSEGNO DI RICERCA **Assegno di ricerca n. 2/2020 AR - 15/01/2020**

ESPERIENZA
PROFESSIONALE

- Jun-2020/Jun-2025 **Assegnista di ricerca bando 2/2020**
Dept. Biology and Biotechnology C. Darwin, Physiology Department. Rome. Italy
▪ Irene Bozzoni's Laboratory
[Ricerca Biomedica](#)
- Apr-2013/Jun-2020 **UCL Research Associate**
UCL Cancer Institute. University College of London. London. United Kingdom
▪ Richard Jenner's Laboratory
[Ricerca Biomedica](#)
- Mar-2011/Mar 2013 **EMBO Research**
UCL Cancer Institute. University College of London. London. United Kingdom
▪ Richard Jenner's Laboratory
[Ricerca Biomedica](#)
- Mar-2006/Dec 2010 **ISCI (Instituto de Salud Carlos III- Ministerio de Salud) Pre-doctoral fellow**
IMIM-PRBB. Barcelona. Espana
▪ Antonio Garcia de Herreros Madueno's Laboratory
[Ricerca Biomedica](#)

ISTRUZIONE E FORMAZIONE

- 2006-2010 **Doctorado en Ciencias de la salud y de la vida (PhD)** EQF 8
Universitat Pompeu Fabra. Barcelona, España
Sobresaliente "Cum Laude"
▪ "Natural antisense transcripts in epithelial to mesenchymal transition"
- 2006-2006 **Diploma de Estudios Avanzados (MA)** EQF 7
Universitat Pompeu Fabra. Barcelona, España
- 2000-2005 **Licenciado en Biología (BsC)** EQF 7
Universitat Pompeu Fabra. Barcelona, España

COMPETENZE PERSONALI

Lingua madre Spagnolo- Catalano

Altre lingue	COMPRENSIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C1	C1	C1	C1	C1
Italiano	C1	C1	C1	C1	B2
Francese	A2	A2	A2	A2	A1

Livelli: A1/A2: Utente base - B1/B2: Utente intermedio - C1/C2: Utente avanzato

[Quadro Comune Europeo di Riferimento delle Lingue](#)

ULTERIORI INFORMAZIONI

- Pubblicazioni**
- Grelloni C.; Garraffo R.; Setti A.; Rossi F.; Peruzzi G.; Cinquanta M.; Di Rosa M.C.; Pierotti M.A.; Beltran M*; Bozzoni I., *BRCA1 levels and DNA-damage response are controlled by the competitive binding of circHIPK3 or FMRP to the BRCA1 mRNA* (2024) **Molecular Cell** 84, 21, 4079-4094.e10. DOI: 10.1016/j.molcel.2024.09.016
- Centrón-Broco A.; Rossi F.; Grelloni C.; Garraffo R.; Dattilo D.; Giuliani A.; Di Timoteo G.; Colantoni A.; Bozzoni I.; Beltran Nebot M*. *CircAFF1 Is a Circular RNA with a Role in Alveolar Rhabdomyosarcoma Cell Migration* (2023) **Biomedicines** 11, 7, 1893. DOI: 10.3390/biomedicines11071893
- Porter H.; Li Y.; Neguembor M.V.; Beltran M.; Varsally W.; Martin L.; Cornejo M.T.; Pezić D.; Bhamra A.; Surinova S.; Jenner R.G.; Cosma M.P.; Hadjur S., *Cohesin-independent STAG proteins interact with RNA and R-loops and promote complex loading* (2023) **eLife**,12. DOI: 10.7554/eLife.79386
- Dattilo D.; Di Timoteo G.; Setti A.; Giuliani A.; Peruzzi G.; Beltran Nebot M.; Centrón-Broco A.; Mariani D.; Mozzetta C.; Bozzoni I. *The m6A reader YTHDC1 and the RNA helicase DDX5 control the production of rhabdomyosarcoma-enriched circRNAs* (2023) **Nature Communications** 14, 1, 1898. DOI: 10.1038/s41467-023-37578-7
- Beltran M*; Rossi F.; Bozzoni I. *CircZNF609 as a prototype to elucidate the biological function of circRNA-mRNA interactions* (2022) **Molecular and Cellular Oncology**, 9, 1, 2055939. DOI:10.1080/23723556.2022.2055939
- Rossi F.; Beltran M*; Damizia M.; Grelloni C.; Colantoni A.; Setti A.; Di Timoteo G.; Dattilo D.; Centrón-Broco A.; Nicoletti C.; Fanciulli M.; Lavia P.; Bozzoni I. *Circular RNA ZNF609/CKAP5 mRNA interaction regulates microtubule dynamics and tumorigenicity* (2022) **Molecular Cell** 82, 1, 75 89.e9. DOI:10.1016/j.molcel.2021.11.032
- Tavares M.; Khandelwal G.; Muter J.; Viiri K.; Beltran M.; Brosens J.J.; Jenner R.G., *JAZF1-SUZ12 dysregulates PRC2 function and gene expression during cell differentiation*, (2022) **Cell Reports**, 39, 9, 110889. DOI:10.1016/j.celrep.2022.110889
- Skalska L.; Begley V.; Beltran M*; Lukauskas S.; Khandelwal G.; Faull P.; Bhamra A.; Tavares M.; Wellman R.; Tvardovskiy A.; Foster B.M.; Ruiz de los Mozos I.; Herrero J.; Surinova S.; Snijders A.P.; Bartke T.; Jenner R.G., *Nascent RNA antagonizes the interaction of a set of regulatory proteins with chromatin* (2021) **Molecular Cell**, 81, 14, 2944-2959.e10. DOI:10.1016/j.molcel.2021.05.026
- Rossi F.; Centrón-Broco A.; Dattilo D.; Di Timoteo G.; Guarnacci M.; Colantoni A.; Nebot M.Beltran.; Bozzoni I., *CircVAMP3: A circRNA with a role in alveolar rhabdomyosarcoma cell cycle progression* (2021) **Genes**, 12, 7, 985. DOI:10.3390/genes12070985
- Beltran M*; Tavares M.; Justin N.; Khandelwal G.; Ambrose J.; Foster B.M.; Worlock K.B.;

Tvardovskiy A.; Kunzelmann S.; Herrero J.; Bartke T.; Gamblin S.J.; Wilson J.R.; Jenner R.G., *G-tract RNA removes Polycomb repressive complex 2 from genes* (2019) **Nature Structural and Molecular Biology**, 26, 10, 899-909, 10. DOI:10.1038/s41594-019-0293-z

Skalska L.; Beltran-Nebot M*.; Ule J.; Jenner R.G., *Regulatory feedback from nascent RNA to chromatin and transcription* (2017) **Nature Reviews Molecular Cell Biology**, 18, 5, 331-337, 6. DOI:10.1038/nrm.2017.12

Beltran M*.; Yates C.M.; Skalska L.; Dawson M.; Reis F.P.; Viiri K.; Fisher C.L.; Sibley C.R.; Foster B.M.; Bartke T.; Ule J.; Jenner R.G., *The interaction of PRC2 with RNA or chromatin is mutually antagonistic* (2016) **Genome Research**, 26, 7, 896, 907, 11. DOI:10.1101/gr.197632.115

Beltran M**.; García de Herreros A., *Antisense non-coding RNAs and regulation of gene transcription* (2016) **Transcription**, 7, 39-43, 4. DOI:10.1080/21541264.2016.1148804

Beltran M*.; Aparicio-Prat E.; Mazzolini R.; Millanes-Romero A.; Massó P.; Jenner R.G.; Díaz V.M.; Peiró S.; De Herreros A.G., *Splicing of a non-coding antisense transcript controls LEF1 gene expression* (2015) **Nucleic Acids Research**, 43, 12, 5785-5797, 12. DOI:10.1093/nar/gkv502

Dave N.; Guaita-Esteruelas S.; Gutarra S.; Frias À.; Beltran M.; Peiró S.; García De Herreros A., *Functional cooperation between snail1 and twist in the regulation of ZEB1 expression during epithelial to mesenchymal transition* (2011) **Journal of Biological Chemistry**, 286, 14, 12024-12032, 8. DOI:10.1074/jbc.M110.168625

Viñas-Castells R.; Beltran M.; Valls G.; Gómez I.; García J.M.; Montserrat-Sentís B.; Baulida J.; Bonilla F.; De Herreros A.G.; Díaz V.M., *The hypoxia-controlled FBXL14 ubiquitin ligase targets SNAIL1 for proteasome degradation* (2010) **Journal of Biological Chemistry**, 285, 6, 3794-3805, 11. DOI:10.1074/jbc.M109.065995

Beltran M*.; Puig I.; Peña C.; García J.M.; Álvarez A.B.; Peña R.; Bonilla F.; De Herreros A.G., *A natural antisense transcript regulates Zeb2/Sip1 gene expression during Snail1-induced epithelial-mesenchymal transition* (2008) **Genes and Development**, 22, 6, 756-769, 13. DOI:10.1101/gad.455708

*First/co-first authorship.

**Last/co-last/corresponding authorship

Conferenze Seminari

- CircRNA-mRNA interactions in cancer. SIBBM Rome Italy 2022.
- G-quadruplex RNA evicts PRC2 from chromatin. Cell Symposia: Regulatory RNA. Cell Press. 2019. Germany.
- G-quadruplex RNA evicts PRC2 from chromatin. London RNA Club. London RNA Club. 2019. UK.
- The interaction of PRC2 with RNA or chromatin is mutually antagonistic. Chromatin and Epigenetics. EMBL. 2017. Germany.
- The interaction of PRC2 with RNA or chromatin is mutually antagonistic. Abcam London
- Chromatin Club. Abcam. 2016. UK. The interaction of PRC2 with RNA or chromatin is mutually antagonistic. London RNA Club. London RNA Club. 2014. UK.

Riconoscimenti e premi Appartenenza a gruppi / associazioni

- EMBO Long Term Fellowship, European Molecular Biology Organization. 2011-2013.
- "Ayudas Predoctorales en formación Investigadora" Instituto de Salud Carlos III. Ministerio de Sanidad Convocatoria 2006.
- Award for "Best article in cooperative research 2008" from RTICC (Red Temática de Investigación Cooperativa en Cáncer). Instituto Salud Carlos III. Ministerio de Ciencia Innovación Universidades. Gobierno de España.
- RNA Society member
- Co-founder and committee member of the UCL "Cancer institute Post-Doc Society".

Corsi Certificazioni

- Corso "Formazione generale salute e sicurezza sul lavoro per lavoratori ed equiparati." 2024
- "Where do you draw the line?" University College of London. 2017
- "Unconscious Bias Training" University College of London. 2016
- "Safe handling of unsealed radioactive sources training". University College of London. 2011
- "Curso de Manipulación de animales de laboratorio". Generalitat de Catalunya. 2006.

Dati personali Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Il sottoscritto dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

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