

Montserrat Corominas Guiu

Situación profesional actual

Catedrática de Universidad

Fecha inicio 2019

Organismo/Institución Universitat de Barcelona

Situación profesional anterior

1991- 2019	Titular de Universidad
1990 - 1992	Investigadora postdoctoral / Div. Toxicology, Massachusetts Institute of Technology (MIT)
1987 - 1990	Investigadora postdoctoral / Dep. Pathology, NYU Medical Center
1983 - 1986	Estudiante de doctorado / Fac. de Medicina, Universitat de Barcelona

Formación académica

Doctorado en Biología	Universitat de Barcelona	1986
Tesina de Licenciatura Biología	Universitat de Barcelona	1982
Licenciada en Ciencias Biológicas	Universitat de Barcelona	1981

APORTACIONES MÁS RELEVANTES

Publicaciones en revistas (más relevantes, últimos 5 años).

1. Scientific paper. Llorens-Giralt P.; Ruiz-Romero M.; Nurtdinov R.; Herranz-Iturbide M.; Vicent GP, Serras F.; Fabregat I.; Corominas M.(8/7). 2025. Sequential activation of transcription factors promotes liver regeneration through specific and developmental enhancers. Cell Genomics. <https://doi.org/doi:10.1016/j.xgen.2025.100887>.
2. Scientific paper. Esteban-Collado, J.; Fernández-Mañas, M.; Fernández-Moreno, M.; Maeso, I.; Corominas, M.; Serras, F.(/6). 2024. Reactive oxygen species activate the Drosophila TNF receptor Wengen for damage-induced regeneration. The EMBO Journal. 43-17, pp.3604-3626. <https://doi.org/10.1038/s44318-024-00155-9>
2. Scientificpaper. Corominas, M.(AC); Marquès-Bonet, T.; Arnedo, M.À.; etal; Guigó, R.(1/28). 2024. The Catalan initiative for the Earth BioGenome Project: contributing local data to global biodiversity genomics. NAR Genomics and Bioinformatics. <https://doi.org/10.1093/nargab/lqae075>
3. Scientific paper. Camilleri-Robles, C.; Amador, R.; Klein, C.C.; Guigó, R.; Corominas, M.; Ruiz- Romero, M.(5/6). 2022. Genomic and functional conservation of lncRNAs: lessons from flies. Mammalian Genome. 33-2, pp.328-342. <https://doi.org/10.1007/s00335-021-09939-4>
4. Scientific paper. Lewin, H.A.; Richards, S.;Corominas, M.; Zhang, G.(21/ 4). 2022. The Earth BioGenome Project 2020: Starting the clock. Proceedings of the National Academy of Sciences of the United States of America - PNAS. <https://doi.org/10.1073/pnas.2115635118>
5. Scientific paper. Llorens-Giralt, P.; Camilleri-Robles, C.; Corominas, M.; Climent-Canto, P.(3/4). 2021. Chromatin organization and function in Drosophila. Cells. <https://doi.org/10.3390/cells10092362>

6. Scientific paper. Esteban-Collado, J.; Corominas, M.; Serras, F.(2/ 3). 2021. Nutrition and PI3K/Akt signaling are required for p38-dependent regeneration. *Development*. 148-8, pp.1-7. <https://doi.org/10.1242/dev.197087>
7. Scientific paper. Vizcaya-Molina, E.; Klein, C.C.; Serras, F.; Corominas, M. (AC). (4/ 4). 2020. Chromatin dynamics in regeneration epithelia: Lessons from *Drosophila* imaginal discs. *Seminars in Cell & Developmental Biology*. <https://doi.org/10.1016/j.semcdb.2019.04.017>
8. Scientific paper. Forcales, S.V.; Corominas, M. (AC). (2/2). 2020. Chromatin status is key for regeneration. *Seminars in Cell & Developmental Biology*. <https://doi.org/10.1016/j.semcdb.2019.06.002>
9. Scientific paper. Camilleri-Robles, C.; Serras, F.; Corominas, M. (AC). (3/3). 2019. Role of D-GADD45 in JNK-Dependent Apoptosis and Regeneration in *Drosophila*. *Genes*. WOS (4) <https://doi.org/10.3390/genes10050378>
10. Scientific paper. Santabàrbara-Ruiz, P.; Esteban-Collado, J.; Pérez, L.; Viola, G.; Abril, J.F.; Milán, M.; Corominas, M.; Serras, F.(7/8). 2019. Ask1 and Akt act synergistically to promote ROS-dependent regeneration in *Drosophila*. *PLoS Genetics*. WOS (31) <https://doi.org/10.1371/journal.pgen.1007926>

Proyectos y contratos de investigación (últimos 5 años).

1. Project. 2021 SGR 00293, REGnetREG. Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR). Corominas Guiu, Montserrat. 01/01/2022-30/06/2026. 40.000 €.
2. Project. 964808, Continuous two-dimensional Stretch monitoring of fresh tissue Biopsies (StretchBio). Unió Europea. Romano Rodriguez, Albert. 01/09/2021-31/05/2026. 1.418.750 €.
3. Project. PID2021-123300NB-I00, Genética y genómica de la regeneración epitelial. Ministerio de Ciencia, Innovación y Universidades. Serras Rigalt, Florencio; Corominas Guiu, Montserrat. 01/09/2022-31/12/2025. 223.850 €.
4. Project.EIN2020-112250,Monitorización continua bidimensional de tensiones en biopsias frescas de tejido. Ministerio de Ciencia e Innovación (MICINN). Romano Rodriguez, Albert. 01/11/2020-31/10/2023. 15.000 €.
5. Project. PGC2018-099763-B-100, DEL ESTRES A LA TRANSCRIPCION: UN ANALISIS SISTEMATICO DE LA REGENERACION. Ministerio de Ciencia, Innovación y Universidades. Montserrat Corominas Guiu. 01/01/2018-31/12/2020. 157.500 €.
6. Project. REGnetREG. Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR). Montserrat Corominas Guiu. 01/01/2018-31/12/2020. 41.937 €.
7. Project.Ajut per incentivar i consolidar la recerca d'excel·lència ja existent a les universitats públiques de Catalunya. ICREA-Acadèmia. Montserrat Corominas Guiu. 01/01/2016- 31/12/2020. 200.000 €.

Congresos y reuniones (más relevantes, últimos 5 años).

1. Llorens-Giralt, P.; Ruiz-Romero, M.; Nurtdinov, R.; Herranz-Itúrbide, M.; Vicent, G.P.; Serras, F.; Fabregat, I.; Corominas, M.. Synergy of regeneration-specific and developmental enhancers in liver regeneration. 18th Spanish Society for Developmental Biology Meeting. 16/10/2024. Spain. Participatory - oral communication. Conference.
2. Esteban-Collado, J.; Fernández-Mañas, M.; Maeso, I.; Fernández-Moreno, M.; Corominas, M.; Serras, F.. Early signaling events governing epithelial regeneration. 18th Spanish

- Society for Developmental Biology Meeting. 16/10/2024. Spain. Participatory - oral communication. Conference.
3. Esteban Collado, J.; Fernández Mañas, M.; Corominas, M.; Serras, F.. TNFR Wengen activation is ROS-mediated in *Drosophila* wing imaginal disc regeneration. 27th European *Drosophila* Research Conference.. 20/10/2023. France. 'Participatory - poster. Conference.
 4. Esteban Collado, J.; Fernández Mañas, M.; Corominas M.; Serras, F.. ROS-mediated TNFR activation in imaginal disc epithelial regeneration. European Developmental Biology Congress 2023. 25/09/2023. United Kingdom. Participatory - oral communication. Conference.
 5. Esteban Collado, J.; Fernández Mañas, M.; Corominas M.; Serras, F.. ROS-mediated TNFR activation in epithelial regeneration. 1st meeting of The International Society for Regenerative Biology (ISRB). 03/09/2023. Austria. 'Participatory - poster. Conference.
 6. Llorens-Giralt, P.; Ruiz-Romero, M.; Herranz-Itúrbide, M.; et al; Corominas, M.. The chromatin regulatory landscape of mouse liver regeneration. The Biology of Genomes. 09/05/2023. United States of America. 'Participatory - poster. Conference.
 7. Llorens-Giralt P, Ruiz-Romero M, Herranz- Itúrbide M, Nacht AS, Vicent GP, Serras F, Fabregat I, Corominas M. The landscape of accessible chromatin in mouse liver regeneration. The molecular and cellular basis of regeneration and tissue repair, European Molecular Biology Organization (EMBO). 2022. Spain. 'Participatory - poster. Conference.
 8. Esteban-Collado, J., Fernández-Mañas, M., Corominas, M., Serras, F.. The role of TNF alfa in tissue regeneration. 19th International Congress of Developmental Biology. 2022. Portugal. 'Participatory - poster. Conference.
 9. Esteban-Collado, J., Fernández-Mañas, M., Corominas, M., Serras, F.. TNF α acts as an early signal to promote stress driven tissue repair. The molecular and cellular basis of regeneration and tissue repair. 2022. Spain. 'Participatory - poster. Conference.
 10. Esteban-Collado, J., Corominas, M., Serras, F.. Nutrition and Pi3K/Akt signaling are required for p38-dependent regeneration.. 63rd Annual *Drosophila* research Conference, Genetics Society of America. 2022. United States of America. 'Participatory - poster. Conference.
 11. Llorens-Giralt P, Ruiz-Romero M, Herranz- Itúrbide M, Nacht AS, Vicent GP, Serras F, Fabregat I, Corominas M. The landscape of accessible chromatin in mouse liver regeneration. 19th International Congress of Developmental Biology, International Society of Developmental Biology (ISDB). 2022. Portugal. 'Participatory - poster. Conference.