

António Jacinto  
Researcher, Invited Full Professor  
Centro de Estudos de Doenças Crónicas (CEDOC)  
NOVA Medical School|Faculdade de Ciências Médicas (NMS|FCM)  
**Email:** antonio.jacinto@nms.unl.pt  
**Mobile:** 916773567



## Employment

### Researcher

Centro de Estudos de Doenças Crónicas (CEDOC)  
Universidade NOVA de Lisboa  
Lisboa, Portugal  
1 Sep 2011 → present

### Invited Full Professor

NOVA Medical School|Faculdade de Ciências Médicas (NMS|FCM)  
Universidade NOVA de Lisboa  
Lisboa, Portugal  
1 Sep 2011 → present

## Research outputs

### **The Henna pigment Lawsone activates the Aryl Hydrocarbon Receptor and impacts skin homeostasis (vol 9, 10878, 2019)**

Lozza, L., Moura-Alves, P., Domaszewska, T., Crespo, C. L., Streata, I., Kreuchwig, A., Puyskens, A., Bechtle, M., Klemm, M., Zedler, U., Ungureanu, B. S., Gühlich-Bornhof, U., Koehler, A-B., Staber, M., Mollenkopf, H-J., Hurwitz, R., Furkert, J., Krause, G., Weiner, J. III., Jacinto, A. & 5 others, Mihai, I., Leite-de-Moraes, M., Siebenhaar, F., Maurer, M. & Kaufmann, S. H. E., 1 Dec 2020, In : Scientific Reports. 10, 1

### **A Bird's Eye View on the Origin of Aortic Hemogenic Endothelial Cells**

Seco, P., Martins, G. G., Jacinto, A. & Tavares, A. T., 17 Nov 2020, In : Frontiers in Cell and Developmental Biology. 8, 605274.

### **Editorial overview: Cell reprogramming, regeneration and repair**

Jacinto, A. & Liu, P., Oct 2020, In : Current Opinion in Genetics and Development. 64, p. III-VI

### **Establishment of a 3D Co-culture With MDA-MB-231 Breast Cancer Cell Line and Patient-Derived Immune Cells for Application in the Development of Immunotherapies**

Saraiva, D. P., Matias, A. T., Braga, S., Jacinto, A. & Cabral, M. G., 27 Aug 2020, In : Frontiers in Oncology. 10, 1543.

### **Drp1-mediated mitochondrial fission regulates calcium and F-actin dynamics during wound healing**

Ponte, S., Carvalho, L., Gagliardi, M., Campos, I., Oliveira, P. J. & Jacinto, A., May 2020, In : BIOLOGY OPEN. 9, 5, bio048629.

### **Yap induces osteoblast differentiation by modulating Bmp signalling during zebrafish caudal fin regeneration**

Brandão, A. S., Bensimon-Brito, A., Lourenço, R., Borbinha, J., Soares, A. R., Mateus, R. & Jacinto, A., 14 Nov 2019, In : Journal Of Cell Science. 132, 22, jcs231993.

### **A 3D co-culture platform of breast cancer and patient derived immune cells to analyse the response to chemotherapy and immunotherapies**

Saraiva, D. P., Jacinto, A., Braga, S. & Cabral, M. G., Oct 2019, In : Annals Of Oncology. 30, p. 781-781

**The Henna pigment Lawsone activates the Aryl Hydrocarbon Receptor and impacts skin homeostasis**

Lozza, L., Moura-Alves, P., Domaszewska, T., Lage Crespo, C., Streat, I., Kreuchwig, A., Puyskens, A., Bechtle, M., Klemm, M., Zedler, U., Silviu Ungureanu, B., Gühlich-Bornhof, U., Koehler, A. B., Stäber, M., Mollenkopf, H. J., Hurwitz, R., Furkert, J., Krause, G., Weiner, J., Jacinto, A. & 5 others, Mihai, I., Leite-de-Moraes, M., Siebenhaar, F., Maurer, M. & Kaufmann, S. H. E., 26 Jul 2019, In : Scientific Reports. 9, 1, 10878.

**Occluding junctions as novel regulators of tissue mechanics during wound repair**

Carvalho, L., Patricio, P., Ponte, S., Heisenberg, C. P., Almeida, L., Nunes, A. S., Araújo, N. A. M. & Jacinto, A., 1 Dec 2018, In : Journal Of Cell Biology. 217, 12, p. 4267-4283 17 p.

**HLA-DR in cytotoxic T lymphocytes predicts breast cancer patients' response to neoadjuvant chemotherapy**

Saraiva, D. P., Jacinto, A., Borralho, P., Braga, S. & Cabral, M. G., 13 Nov 2018, In : Frontiers in Immunology. 9, NOV, 2605.

**A new biomarker of breast cancer stage and patient response to neoadjuvant chemotherapy: HLA-DR expression in cytotoxic and regulatory T cells**

Saraiva, D. P., Jacinto, A., Braga, S. & Cabral, M. G., 1 Oct 2018, In : Annals of oncology : official journal of the European Society for Medical Oncology. 29, p. viii37-viii38

**Differential molecular signature in patients from African origin with triple-negative breast cancer**

Matias, A. T., Jacinta-Fernandes, A., Magno, R., Xavier, J., Cabral, M. G., Jacinto, A., Maia, A. T. & Braga, S., 1 Oct 2018, In : Annals of oncology : official journal of the European Society for Medical Oncology. 29, p. viii95

**A new biomarker of breast cancer stage and patient response to neoadjuvant chemotherapy: HLA-DR expression in cytotoxic and regulatory T cells**

Saraiva, D. P., Jacinto, A., Braga, S. & Cabral, M. G., Oct 2018, In : Annals Of Oncology. 29

**Differential molecular signature in patients from African origin with triple-negative breast cancer**

Matias, A. T., Jacinta-Fernandes, A., Magno, R., Xavier, J., Cabral, M. G., Jacinto, A., Maia, A. T. & Braga, S., Oct 2018, In : Annals Of Oncology. 29

**Novel role for Grainy head in the regulation of cytoskeletal and junctional dynamics during epithelial repair**

Cristo, I., Carvalho, L., Ponte, S. & Jacinto, A., 3 Sep 2018, In : Journal Of Cell Science. 131, 17

**Renal regeneration after Acute Kidney Injury**

Coelho, S., Cabral, G., Lopes, J. A. & Jacinto, A., Sep 2018, In : Nephrology (Carlton, Vic.). 23, 9, p. 805-814

**Identification of Novel Hemangioblast Genes in the Early Chick Embryo**

Serrado Marques, J., Teixeira, V., Jacinto, A. & Tavares, A. T., Feb 2018, In : Cells. 7, 2

**How many diseases is triple negative breast cancer; the protagonism of the immune microenvironment**

Saraiva, D. P., Guadalupe Cabral, M., Jacinto, A. & Braga, S., 14 Sep 2017, In : ESMO Open. 2, 4, p. e000208

**Erratum: Correction: Telomerase Is Required for Zebrafish Lifespan (PLoS genetics (2013) 9 1 (e1003214))**

Henriques, C. M., Carneiro, M. C., Tenente, I. M., Jacinto, A. & Ferreira, M. G., 1 Mar 2017, In : PLoS Genetics. 13, 3, p. e1006652

**Cholesteryl hemiesters alter lysosome structure and function and induce proinflammatory cytokine production in macrophages**

Domingues, N., Estronca, L. M. B. B., Silva, J., Encarnação, M., Mateus, R., Silva, D., Santarino, I. B., Saraiva, M., Soares, M. I. L., Pinho E Melo, T. M. V. D., Jacinto, A., Vaz, WLC. & Vieira, O. V., 27 Feb 2017, In : Biochimica Et Biophysica Acta. p. 210-220 10 p.

**Trends in tissue repair and regeneration**

Galliot, B., Crescenzi, M., Jacinto, A. & Tajbakhsh, S., Feb 2017, In : Development (Cambridge). 144, 3, p. 357-364 8 p.

**Plexins function in epithelial repair in both *Drosophila* and zebrafish**

Yoo, S. K., Pascoe, H. G., Pereira, T., Kondo, S., Jacinto, A., Zhang, X. & Hariharan, I. K., 25 Jul 2016, In : Nature Communications. 7, 12282, p. Online 12 p., 12282.

**Control of tissue growth by Yap relies on cell density and F-actin in zebrafish fin regeneration**

Mateus, R., Lourenço, R., Fang, Y., Brito, G., Farinho, A., Valerio, F. & Jacinto, A., 15 Aug 2015, In : Development. 142, 16, p. 2752-63 10 p.

**Gap geometry dictates epithelial closure efficiency**

Ravasio, A., Cheddadi, I., Chen, T., Pereira, T., Ong, H. T., Bertocchi, C., Bragues, A., Jacinto, A., Kabla, A. J., Toyama, Y., Trepát, X., Gov, N., Neves De Almeida, L. & Ladoux, B., 9 Jul 2015, In : Nature Communications. 6, p. Online 13 p., 8683.

**Genetic variants underlying risk of intracranial aneurysms: Insights from a GWAS in Portugal**

Abrantes, P., Santos, M. M., Sousa, I., Xavier, J. M., Francisco, V., Krug, T., Sobral, J., Matos, M., Martins, M., Jacinto, A., Coiteiro, D. & Oliveira, S. A., 1 Jan 2015, In : PLoS ONE. 10, 7, p. Online

**Integrin adhesions suppress syncytium formation in the *Drosophila* larval epidermis**

Antunes, M. & Jacinto, A. A. C., 1 Jan 2015, In : Current Biology. 25, 17, p. 2215-2227

**The Toll/NF-kappa B signaling pathway is required for epidermal wound repair in *Drosophila***

Carvalho, L., Jacinto, A. & Matova, N., 16 Dec 2014, In : Proceedings Of The National Academy Of Sciences Of The United States Of Ame. 111, 50, p. 5373-5382 10 p.

**Denervation impairs regeneration of amputated zebrafish fins**

Simões, M. G., Bensimon-Brito, A., Fonseca, M., Farinho, A., Valério, F., Afonso, N., Kumar, A. & Jacinto, A., Dec 2014, In : BMC Developmental Biology. 14, NA, p. Online 21 p.

**V-ATPase Proton Pumping Activity Is Required for Adult Zebrafish Appendage Regeneration**

Jacinto, A., 1 Jan 2014, In : PLoS ONE. 9, 3, p. Online

**Steroid Hormone Signaling Is Essential to Regulate Innate Immune Cells and Fight Bacterial Infection in *Drosophila***

Regan, J. C., Brandão, A. S., Leitão, A. B., Mantas Dias, Â. R., Sucena, É., Jacinto, A. & Zaidman-Rémy, A., Oct 2013, In : PLoS Pathogens. 9, 10, p. Online 15 p., e1003720.

***Drosophila* integrin adhesion complexes are essential for hemocyte migration in vivo**

Moreira, C. G. A., Jacinto, A. & Prag, S., 15 Aug 2013, In : BIOLOGY OPEN. 2, 8, p. 795-801 7 p.

***Drosophila* Host Model Reveals New *Enterococcus faecalis* Quorum-Sensing Associated Virulence Factors**

Teixeira, N. D. P. L., Zaidman-rémy, A. R., Jacinto, A. A. C. & Lopes, M. F., 29 May 2013, In : PLoS ONE. 8, 5, p. Online

**Coordinated waves of actomyosin flow and apical cell constriction immediately after wounding**

Antunes, M. A. R., Pereira, T. R. R., Cordeiro, J. & Jacinto, A. A. C., 1 Jan 2013, In : Journal Of Cell Biology. 202, 2, p. 365-379

**The role of transcription-independent damage signals in the initiation of epithelial wound healing**

Cordeiro, J. & Jacinto, A. A. C., 1 Jan 2013, In : Nature Reviews Molecular Cell Biology. 14, 4, p. 249-262

**Telomerase Is Required for Zebrafish Lifespan**

Henriques, C. M., Carneiro, M. C., Tenente, I. M., Jacinto, A. & Ferreira, M. G., Jan 2013, In : PLoS Genetics. 9, 1, p. Online 13 p., e1003214.

**In Vivo Cell and Tissue Dynamics Underlying Zebrafish Fin Fold Regeneration**

Mateus, R., Pereira, T., Sousa, S., de Lima, J. E., Pascoal, S., Saúde, L. & Jacinto, A., 20 Dec 2012, In : PlosOne. 7, 12, p. Online e51766.

**A new zebrafish bone crush injury model**

Sousa, S., Valerio, F. & Jacinto, A., 15 Sep 2012, In : BIOLOGY OPEN. 1, 9, p. 915-921 7 p.

**An amputation resets positional information to a proximal identity in the regenerating zebrafish caudal fin**

Azevedo, A. S., Sousa, S., Jacinto, A. & Saúde, L., 25 Aug 2012, In : BMC Developmental Biology. 12, NA, p. 24-35 12 p.

**Cloning and characterization of two ubiquitin::79-amino-acid extension protein-encoding fusion genes from *Lupinus albus***

Jacinto, A., Neves, A. M., Vassilevskaia, T. D., Ricardo, C. P. & Rodrigues-Pousada, C., 25 Feb 1994, In : Gene. 139, 2, p. 201-205 5 p.