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A.1. Situación profesional actual

Puesto Titular d'Universitat
Fecha inicio 2001
Organismo / Institución Universitat de Barcelona
Departamento / Centro Departament de Ciències Clíiques / Facultat de Medicina i
Ciències de la Salut

A.3. Formación académica

Grado/Master/Tesis Universidad / País Año
Medicina 1993
Medicina y Cirugía Universidad de Barcelona 1981

Parte B. RESUMEN LIBRE DEL CURRÍCULUM

Historial Científico - I develop my professional activity in the liver surgery unit of the University Hospital of Bellvitge and as tenure professor of the University of Barcelona. My work contract in both institutions is indefinite. Also, I am a member of the liver transplant unit of the hospital. The volume of patients with oncological pathology treated in our center is probably the highest in Catalonia (80-90 hepatic metastases of colorectal carcinoma and between 20 and 30 hepatocarcinomas), and between 50 and 60 LT are performed annually. As a consequence, my research activity focuses on the liver pathology of surgical treatment, including liver transplantation. This research activity has a clinical and an experimental aspect that are reflected in the publications included in the CV. Regarding clinical research, we have conducted both retrospective studies based on our experience and randomized prospective studies that have been published in journals with a high impact factor (Annals of Surgery, British Journal of Surgery, American Journal of Transplantation.) Throughout my career, I have also developed experimental research. My doctoral thesis consisted in the development of an arterialized TH model in rat. On this model, the influence of arterialization on the release of prostaglandins was studied. Currently I collaborate with the IDIBELL Molecular Oncology laboratory, directed by Dr. Isabel Fabregat. The objective of this collaboration has been and continues to be the development of translational research in relation to hepatocellular carcinoma. As a result of this collaboration, 6 articles have already been published, two of them in the Hepatology journal. These articles appear in the CV publications section. Currently I am a collaborator in the project 'Cellular signaling in liver regeneration and carcinogenesis' (CIBEREHD, National Biomedical Research Institute on Liver and Gastrointestinal Diseases, ISCIII, Ministry of Economy, Industry and Competitiveness, Spain, CB17 / 04/00017) whose IP is Dra Isabel Fabregat. I have been director / co-director of 7 doctoral theses and I have participated as a researcher in 14 projects with public funding. In a search carried out in the Web of science, I appear as co-author in more than 200 publications in journals indexed with an H index of 34.

Parte C. MÉRITOS MÁS RELEVANTES

C.1. Publicaciones

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citaciones

1 Artículo científico. Del Carpio LP; Algarra MA; Sabaté-Llobera A; et al; Piulats JM.; Lladó L. (9/14). 2023. Differences in glucose metabolic activity in liver metastasis separates

two groups of metastatic uveal melanoma patients with different prognosis. *Cancer Medicine*. 12-13, pp.14062-14071. WOS (0) <https://doi.org/10.1002/cam4.6058>

2 Artículo científico. Azoulay, D; Salloum, Ch; Llado, L; et al; Lim, Ch.; Ramos, E. (4/9). 2023. Defining Surgical Difficulty of Liver Transplantation. *Annals of Surgery*. 277-1, pp.144-150. <https://doi.org/10.1097/SLA.0000000000005017>

3 Artículo científico. Lopez-Lopez V; Kuemmerlil C; Cutillas J; et al; et al.; Ramos E. (6/10). 2022. Vascular injury during cholecystectomy: A multicenter critical analysis behind the drama. *Surgery*. <https://doi.org/10.1016/j.surg.2022.06.020>

4 Artículo científico. Peñuelas I; Espinosa R; Crosas E; et al; Fabregat I.; Ramos E. (8/15). 2022. The NADPH oxidase NOX4 regulates redox and metabolic homeostasis preventing HCC progression. *Hepatology*. <https://doi.org/10.1002/hep.32702>

5 Artículo científico. Lopez V; Maupoe J; Lopez R; Ramos E; Mills K; Martinez PA, Valdivieso A; et al.(4/7). 2022. Machine Learning-Based Analysis in the Management of Iatrogenic Bile Duct Injury During Cholecystectomy: a Nationwide Multicenter Study. *Journal of Gastrointestinal Surgery*. <https://doi.org/10.1007/s11605-022-05398-7>

6 Artículo científico. Savier, Eric; De Rycke, Yann; Lim, Chetana; et al; Scatton, Olivier. (/15). 2021. Novel Composite Endpoint for Assessing Outcomes in Liver Transplantation: Arterial and Biliary Complication-Free Survival. *Liver Transplantation*. 28-1, pp.75-87. <https://doi.org/10.1002/lt.26269>

7 Artículo científico. Lim, Chetana; Llado, Laura; Salloum, Chady; Ramos, Emilio; Lopez-Dominguez, Josefina; Cachero, Alba; Fabregat, Joan; Azoulay, Daniel. (/8). 2021. Textbook Outcome Following Liver Transplantation. *World Journal of Surgery*. 45-11, pp.3414-3423. <https://doi.org/10.1007/s00268-021-06255-5>

8 Artículo científico. Sabate A; Mestres, J; Reynes, G; et al; Ramos, E.; Ramos, E.(10/10). 2021. 2-[18F]FDG PET/CT as a Predictor of Microvascular Invasion and High Histological Grade in Patients with Hepatocellular Carcinoma. *Cancers*. 13-11, pp.1-14. <https://doi.org/10.3390/cancers13112554>

9 Artículo científico. Juli Busquets; Josefina Lopez-Dominguez; Ana Gonzalez-Castillo; Juan Fabregat. (/3). 2021. Pancreas sparing duodenectomy in the treatment of primary duodenal neoplasms and other situations with duodenal involvement. *Hepatobiliary & Pancreatic Diseases International*. <https://doi.org/10.1016/j.hbpd.2021.02.007>

10 Artículo científico. Azoulay, D; Quintini, C; Rayar, M; et al; Chetana, L.; Ramos, E. (8/15). 2021. Renoportal Anastomosis during Liver Transplantation in Patients with Portal Vein Thrombosis: First long-term results from a multicenter study. *Annals of Surgery*. <https://doi.org/10.1097/SLA.0000000000004797>

11 Artículo científico. Bijelic, L; Ramos, E. (2/2). 2020. Tumor necrosis in hepatocellular carcinoma- Unfairly overlooked?. *Annals of Surgical Oncology*. <https://doi.org/10.1245/s10434-020-09402-9>

12 Artículo científico. Azoulay D; Ramos E; Casellas-Robert M; et al; Lim C.(2/12). 2020. Liver resection for hepatocellular carcinoma in patients with clinically significant portal hypertension. *Journal of Hepatology*. <https://doi.org/10.1016/j.jhepr.2020.100190>

13 Artículo científico. Casellas-Robert, Margarida; Lim, Chetana; Lopez-Ben, Santiago; et al; Azoulay, Daniel. (/10). 2020. Laparoscopic Liver Resection for Hepatocellular Carcinoma in Child-Pugh A Patients With and Without Portal Hypertension: A Multicentre Study. *World Journal of Surgery*. 44-11, pp.3915-3922. <https://doi.org/10.1007/s00268-020-05687-9>

- 14 Artículo científico. Lim, CH; Goumard, C; Casellas-Robert, M; et al; Azoulay D.; Scatton O. (13/14). 2020. Impact on Oncological Outcomes and Intent-to-Treat Survival of Resection Margin for Transplantable Hepatocellular Carcinoma in All-Comers and in Patients with Cirrhosis: A Multicenter Study. *World Journal of Surgery*. 44-6, pp.1966-1974. <https://doi.org/10.1007/s00268-020-05424-2>
- 15 Artículo científico. Ramos, E.; Lluís, N.; Lladó, L.; et al; Fabregat, J.(/10). 2020. Prognostic value and risk stratification of residual disease in patients with incidental gallbladder cancer. *World Journal of Surgical Oncology*. <https://doi.org/10.1186/s12957-020-1794-2>
- 16 Artículo científico. Caballero-Díaz, D.; Bertran, E.; Peñuelas-Haro, I.; et al; Fabregat I.; Moreno-Càceres, J.(4/14). 2020. Clathrin switches transforming growth factor- β role to pro-tumorigenic in liver cancer. *Journal of Hepatology*. 72-1, pp.125-134. <https://doi.org/10.1016/j.jhep.2019.09.012>
- 17 Artículo científico. López-Luque, J.; Bertran, E.; Crosas-Molist, E.; et al; Fabregat I.(/10). 2019. Downregulation of epidermal growth factor receptor in hepatocellular carcinoma facilitates transforming growth factor- β -induced epithelial to amoeboid transition. *Cancer Letters*. 1-464, pp.15-24. <https://doi.org/10.1016/j.canlet.2019.08.011>
- 18 Artículo científico. J. Busquets; S. Martín; J. Fabregat; L. Secanella; N. Pelaez; and E. Ramos. (6/6). 2019. Randomized trial of two types of gastrojejunostomy after pancreatoduodenectomy and risk of delayed gastric emptying (PAUDA trial). *British Journal of Surgery*. 106-1, pp.46-54. <https://doi.org/10.1002/bjs.11023>
- 19 Artículo científico. Llado L, Ramos E, Bravo A, Baliellas C, Mils K, Busquets J, Cachero A, Secanella L, Pelaez N, Gonzalez-Vilatarsana E, Fabregat J.(2/1). 2019. Short- and long-term outcomes of arterial reconstruction on recipient splenic artery in adult liver transplantation. Single-center prospective study 25 years after first description. *Transplant International*. 32-10, pp.1053-1060. <https://doi.org/10.1111/tri.13447>
- 20 Artículo científico. Gregory C. Wilson; Nuria Lluís; Michael A Nalesnik; et al; and David A. Geller; Emilio Ramos. (6/9). 2018. Hepatic Angiosarcoma: A Multi-institutional, International Experience with 44 Cases. *Annals of Surgical Oncology*. <https://doi.org/10.1245/s10434-018-7062-9>
- 21 Artículo científico. Dalmau A.; Fustran N.; Camprubi I.; Sanzol R.; Redondo S.; Ramos E.; Torras J.; Sabate A.(/8). 2018. Analgesia with continuous wound infusion of local anesthetic versus saline: Double-blind randomized, controlled trial in hepatectomy. *American Journal of Surgery*. 215-10, pp.138-143. <https://doi.org/10.1016/j.amjsurg.2017.09.007>
- 22 Artículo científico. Salvador-Roses H.; Lopez-Ben S.; Casellas-Robert M.; et al; Figueras J.; Ramos E.(7/9). 2017. Oncological strategies for locally advanced rectal cancer with synchronous liver metastases, interval strategy versus rectum first strategy: a comparison of short-term outcomes. *Clinical & Translational Oncology*. <https://doi.org/10.1007/s12094-017-1818-8>
- 23 Artículo científico. Moreno-Caceres J.; Caballero-Diaz D.; Nwosu ZC.; et al; Fabregat I.; Ramos E.(9/11). 2017. The level of caveolin-1 expression determines response to TGF- β as a tumor suppressor in hepatocellular carcinoma cells. *Cell Death and Disease*. <https://doi.org/10.1038/cddis.2017.469>
- 24 Artículo científico. Salvador-Roses H.; Lopez-Ben S.; Planellas P.; et al; Figueras J.; Ramos E.(7/9). 2017. Treatment strategies for rectal cancer with synchronous liver metastases: surgical and oncological outcome with propensity-score analysis. *Clinical & Translational Oncology*. 20-2, pp.221-229. <https://doi.org/10.1007/s12094-017-1712-4>
- 25 Artículo científico. Llado L; Muñoz A; Ramos E; Torras J; Fabregat J; Rafecas A.(3/6). 2016. The anterior hanging-approach improves postoperative course after right hepatectomy in patients with colorectal liver metastases. Results of a prospective study with propensity-score matching comparison. *European Journal of Surgical Oncology*. 42-2, pp.176-183. <https://doi.org/10.1016/j.ejso.2015.11.009>
- 26 Artículo científico. López-Luque, J.; Caballero-Díaz, D.; Martínez-Palacián,

A.; et al; Fabregat, I.; Ramos, E.(20/22). 2016. Dissecting the role of epidermal growth factor receptor catalytic activity during liver regeneration and hepatocarcinogenesis. Hepatology. 63-2, pp.604-619. <https://doi.org/10.1002/hep.28134>

C.3. Proyectos y Contratos

- 1 Proyecto. CB17/04/00017, 'Cellular signaling in liver regeneration and carcinogenesis'. Instituto de Salud Carlos III. Isabel Fabregat. 01/01/2018-31/12/2020. 45.000 €.
- 2 Proyecto. PI051033, PET/TC en la Reestadificación prequirúrgica de pacientes con metástasis hepáticas de cáncer colorrectal: Impacto clínico y análisis de supervivencia. Estudio Piloto previo al análisis de costeeficiencia.. Ministerio de Sanidad y Consumo. Ramos Rubio, Emilio. 31/12/2005-30/12/2008. 112.157,5 €.
- 3 Proyecto. PI 030079, Trasplante hepático y calidad de vida en la población española. Sensibilidad al cambio del nuevo cuestionario específico LDQOL. Ministerio de Sanidad y Consumo. T. Casanovas Taltavull. 2003-2006.
- 4 Proyecto. exp. 001810, Estudio del valor pronóstico de la expresión de factores moduladores de la fase G1 en hepatocarcinomas y su utilidad para la selección de receptores de trasplante hepático. Fundació La Marató de TV3. J. Figueras Felip. 2001-2003.
- 5 Proyecto. 98/0776, Utilidad del Shunt Porto-Cava en el Trasplante Hepático Clínico. Ministerio de Sanidad y Consumo. J. Figueras Felip. 1998-2000.
- 6 Proyecto. SAF2015-64149R, Nuevos conocimientos sobre el papel de la NADPH oxidasa en hepatocarcinogenesis. Relevancia en las vías de señalización del TGF-beta y del receptor del EGF. Ministerio de Economía y Competitividad. Isabel Fabregat. Desde 01/01/2016. 230.000 €.
- 7 Proyecto. BFU2012-35538, Papel del tráfico intracelular, el citoesqueleto y las integrinas en la señalización inducida por TGF-beta en las células hepáticas. Relevancia en fibrosis y hepatocarcinogénesis.. Ministerio de Ciencia e Innovación. Isabel Fabregat. Desde 01/01/2012. 270.000 €.
- 8 Proyecto. Análisis de las vías de transducción de señal inducidas por TGF-beta en células hepáticas humanas como estrategia para el desarrollo de nuevas terapias en patologías del hígado.. Ministerio de Ciencia e Innovación. ISABEL FABREGAT. Desde 01/01/2010. 290.000 €.