

ANDROLOGY



Coordinator

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Members

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MAIN LINES OF RESEARCH

Genetics applied to male infertility.

Male fertility preservation in oncological patients.

Optimisation of preimplantation genetics diagnosis and in vitro fertilization techniques.

Clinical research into new surgical procedures, drugs and medical devices applied to andrological diseases and conditions (male sexual dysfunction, hypogonadism, Peyronie disease, premature ejaculation, sexually transmitted diseases).

SCIENTIFIC CHALLENGES

Our multidisciplinary team of professionals develops translational research in the field of diagnosis and treatment of andrological disorders. To improve our knowledge and thereby improve healthcare for patients, we seek to continue active projects, develop new lines of

investigation, increase the number of international publications, train professionals and enhance collaboration with hospital and university groups inside and outside the IIB Sant Pau.

COLLABORATIONS WITH IIB SANT PAU GROUPS

- Nephrology Group
- Urology Group
- Gynecological group

EXTERNAL COLLABORATIONS

National

- Medical and Molecular Genetics Centre (RI)-IDIBELL: genetics applied to infertility.
- Cellular Biology and Medical Genetics Unit-UAB: preimplantation genetic diagnosis techniques.

International

- Mario Serio Experimental and Clinical Biomedical Sciences Unit, University of Florence: genetics applied to male infertility.
- Reproductive Genomics Laboratory, Human Genetics Centre (KU Leuven): genetics applied to male infertility.
- New England Research Institutes: hypogonadism.
- European Academy of Andrology: radiology examinations of the male genital tract.

Private

- Participation in clinical studies including clinical trials and postauthorization studies sponsored by national and international pharmaceutical companies.

ACTIVE GRANTS

- “Estudio genético y genómico de subtipos específicos de azoospermia secretora: desarrollo de nuevas herramientas diagnósticas y pronósticas”. Krausz C. Exp: PI14/01250. Instituto de Salud Carlos III (FEDER cofunded). Duration 2015-2017. 86.500 €
- “Evaluación del efecto de la terapia citostática sobre el genoma y el epigenoma del gameto masculino”. Krausz C. Ayudas Merck de Investigación 2017 en el área de Investigación clínica de Fertilidad. Duration: 2017-2020. 30.000 €
- “Programa para el fomento de patentes y modelos de utilidad en el exterior”. Fundació Puigvert. Exp: FPE-0701-00-20163. Oficina Española de Patentes y Marcas. 1.058 €

SCIENTIFIC PRODUCTION

TIF: 96,6760 MIF: 3,5806

- Bartolome E., Bozzo B., Sevilla P., Martinez-Pasarell O., Puig T., Granados X., ABS 3D printed solutions for cryogenic applications (2017) CRYOGENICS, 82, 30-37, IF: 1.4650
- Casamonti E., Vinci S., Serra E., Fino M.G., Brilli S., Lotti F., Maggi M., Coccia M.E., Forti G., Krausz C., Short-term FSH treatment and sperm maturation: a prospective study in idiopathic infertile men (2017) ANDROLOGY-US, 5 (3), 414-422, IF: 2.4270
- Krausz C., Casamonti E., Spermatogenic failure and the Y chromosome (2017) HUM GENET, 136 (5), 637-655, IF: 4.6370
- Rosen R.C., Wu F., Behre H.M., Porst H., Meuleman E.J.H., Maggi M., Romero-Otero J., Martinez-Salamanca J.I., Jones T.H., Debruyne F.M.J., Kurth K.-H., Hackett G.I., Quinton R., Stroberg P., Reisman Y., Pescatori E.S., Morales A., Bassas L., Cruz N., Cunningham G.R., Wheaton O.A., Quality of Life and Sexual Function Benefits of Long-Term Testosterone Treatment: Longitudinal Results From the Registry of Hypogonadism in Men (RHYME) (2017) J SEX MED, 14 (9), 1104-1115, IF: 2.9780
- Vinay J., Sarquella J., Sanchez J., Algaba F., Gallegos I., Ruiz-Castane E., Palma C., Adipocyte accumulation in corpus cavernosum: First clinical evidence and pathophysiological implications in erectile dysfunction Acumulación de adipocitos en el cuerpo cavernoso: primera evidencia clínica e implicaciones fisiopatológicas en la disfunción eréctil (2017) ACTAS UROL ESP, 41 (2), 97-102, IF: 1.1810

OTHER PUBLICATIONS

- Surgical treatment of Peyronie's disease with small intestinal submucosa graft patch. Cosentino M., Kanashiro A., Vives A., Sánchez J., Peraza MF., Moreno D., Perona J., De Marco V., Ruiz-Castañe E., Sarquella, J. (2017) INT J IMPOT RES 28 3 106-109. IF: 1,293
- Weight decrease improves live birth rates in obese women undergoing IVF: A pilot study. Espinós JJ., Polo A., Sanchez Henández J., Bordas JR., Parés P., Martínez-Pasarell O., Calaf J. (2017)Reprod Biomedd Online 35 4 417-424 IF: 3,249
- A Multidisciplinary Approach to Sexual Behavior Profiles: The SEX360 P., Model. García-Cruz E., Monguet JM., Marrre D.,González M., Peraza MF., Sánchez C., Susi C., Trejo A., Alcaraz A. (2017) Sexuality & Culture 21(4): 941-52
- Comparison of the patient and partner satisfaction with 700CX and titan penile prostheses. Romero Otero J., Rojas C., García Alonso F., García Gómez B., Sarquella J., Medina J., Ruiz-Castañe E., Rodríguez-Antolin A. (2017) ASIAN J ANDROL 19 3 321-325 IF: 2,996
- Association of serum testosterone levels and testicular volume in adult patients. Ruiz-Olvera S.F., Rajmil O., Sánchez-Curbelo J. R., Vinay J., Rodríguez-Espinosa J., Ruiz-Castañe E. (2017) ANDROLOGY <https://doi.org/10.1111/and.12933>. IF: 2,427
- Discrimination of deletion and duplication subtypes of the deleted in azoospermia gene family in the context of frequent interloci gene conversion. Vaszko T., Papp J., Krausz C., Casamonti E., Geczi, L., Olah E. (2017) PLOS ONE 11 10 IF: 2,806

- Urethral condylomas in men: experience in 123 patients without previous treatment. Vives A., Vázquez A., Rajmil O., Cosentino M. (2017) INT J STD & AIDS 27 1 39-43 IF: 1,350

AWARDS

- Vinay, J.; Sarquella, J; Sánchez, J; Algaba, F; Gallegos, I; Rojas-Cruz, C; Palma, C. Sub-albuginean adipocyte accumulation is associated with erectile dysfunction: First clinical evidence and pathophysiological implications. Best poster in section "Last news in future treatments of erectile dysfunction". 31th EAU ANNUAL CONGRESS. Munich (Germany), 11-15 march

DOCTORAL THESES

- López, "Caracterización biológica y molecular de síndromes teratozoospéricos causantes de la infertilidad masculina", Universidad de Barcelona, Directors: Dr. Ll Bassas, R Oliva, 21th september
- A Riera-Escamilla, "Genetic investigation in non-obstructive azoospermia: from the X chromosome to the whole exome", Università degli studi di Firenze, Director: Dra C Krausz, 10th march

TRANSFER PRODUCTS

- "Diabetes and sexuality. Patient session". DIRECTOR: MF Peraza with the collaboration of C. Regordosa (Catalonian Diabetic Patient Association). Barcelona, 16th November