

PhD theses defended for the PhD Programme in Biomedicine in the 2013-2014 academic year.

	<b>STUDENT</b>	<b>INSTITUTION</b>	<b>SUPERVISOR</b>	<b>THESIS TITLE</b>
<b>13-14</b>	Agostini, Federico	CRG	Tartaglia, Gian Gaetano	'Predictions of RNA-binding ability and aggregation propensity of proteins'
<b>13-14</b>	Aigner, Johanna	CRG	Estivill, Xavier	'Genetic, structural and functional characterization of the BTNL gene cluster'
<b>13-14</b>	Aparicio Prat, Estel	UPF	García de Herreros, Antonio	'Natural antisense transcripts control LEF1 gene expression'
<b>13-14</b>	Barriga de Vicente, Francisco Martin	IRB	Batlle, Eduard	'Identification and functional analysis of intestinal stem cell genes in homeostasis and cancer'
<b>13-14</b>	Bassaganyas Bars, Laia	CRG	Estivill, Xavier	'Characterization of simple and complex genomic structural variation: a study of human populations and leukaemia'
<b>13-14</b>	Benítez Arciniega, Alejandra	IMIM	Schröder, Helmut	'Patrones dietéticos y componentes nutricionales específicos asociados con la obesidad'
<b>13-14</b>	Biarnés Perez, Marc	TEKNON	Monés, Jordi & Arias, Lluís	'Increased fundus autofluorescence, a biomarker of lipofuscin content, as a risk factor for progression of geographic atrophy secondary to age-related macular degeneration'
<b>13-14</b>	Burokas, Aurelijus	UPF	Maldonado, Rafa & Martín-García, Elena	'New behavioural models to investigate eating disorders'
<b>13-14</b>	Calzolari, Simone	UPF	Pujades, Cristina	'Study of the molecular mechanisms involved in the formation of hindbrain boundaries'

13-14	Campos Serna, Javier	UPF	García Benavides, Fernando & Ronda, Elena	'Gender inequalities in occupational health: A systematic literature review and the influence of the welfare state regime and the occupational social class throughout the Spanish and the European Working Conditions Surveys'
13-14	Carnero Montoro, Elena	UPF	Bosch, Elena	'Genomic and functional approaches to genetic adaptation'
13-14	Carreras Sureda, Amado	UPF	Vicente, Rubén & Valverde, Miguel	'Modulation of T lymphocyte activation by ORMDL3'
13-14	Cornejo Ovalle, Marco	UPF	Borrell, Carme & Pérez, Glòria	'Salud bucal y su atención en las personas mayores institucionalizadas de Barcelona y el impacto en su calidad de vida'
13-14	Cornelio, Cecilia Ines	UPF	Fernández, Esteve & García Benavides, F.	'Physical activity in the community: correlates of change and overall mortality in two population - based cohorts'
13-14	Cuenca Royo, M <sup>a</sup> Aida	IMIM	Domingo, Antonia	'Cannabis en los jóvenes: patología psiquiátrica y escalas de consumo'
13-14	Dall'Olio, Giovanni Marco	UPF	Bertranpetit, Jaume & Laayouni, Hafid	'Applications of network theory to human population genetics: from pathways to genotype networks'
13-14	D'Amico Davide	CRG	Dierssen Soto, Mara & Santos, Monica	'Fear memories in TgNTRK3 mice, a model of panic disorder: definition of mechanism and search for new therapeutic targets'
13-14	Demajo Meseguer, Santiago	CRG	Di Croce, Luciano	'ZRF1 - mediated transcriptional regulation in acute myeloid leukemia'
13-14	Di Stefano, Bruno	CRG	Graf, Thomas	'C/EBP $\alpha$ poises B cells for rapid reprogramming into induced pluripotent stem cells'
13-14	Di Vona, Chiara	CRG	de la Luna, Susana	'Nuclear DYRK1A: new insights into its role within the nucleus'
13-14	Drechsel, Nils Jan Daniel	UPF	Vilà Freixa, Jordi & Dill, Ken A.	'Development of a multiscale protocol for the study of energetics of protein dynamics'

13-14	Duran Jordà, Xavier	UPF	García Benavides, Fernando & Martínez, José Miguel	'Trayectoria laboral e incapacidad permanente: análisis de los años de vida laboral perdidos. Un estudio basado en la muestra continua de vidas laborales (MCVL) de la seguridad social'
13-14	Fabregat Rossell, Andreu	UPF	Pozo Mendoza, Oscar & Ventura Alemany, Rosa	'Re-exploring testosterone metabolism: new insights for doping control'
13-14	Gascon Merlos, Mireia	CREAL	Vrijheid, Martine	'Persistent organic pollutants, bisphenol A, phthalates and respiratory and immune health in childhood'
13-14	Gómez Castellà, Cristina	IMIM	Ventura Alemany, Rosa	'Improving detection capabilities of doping agents by identification of new phase I and phase II metabolites by LC - MS/MS'
13-14	Guegan, Thomas	UPF	Maldonado, Rafael & Martín, Miquel	'Common neuroplasticity mechanisms underlying drugs and food reward'
13-14	Guixa Gonzalez, Ramon	UPF	Selent, Jana	'Modeling the interplay between membrane lipids and GPCRs'
13-14	Haber, Marc	UPF	Comas Martínez, David	'Study of human genetic diversity: Inferences on population origin and history'
13-14	Herráiz Yebes, Alba	IBE	Bellés, Xavier & Piulachs, Maria Dolors	'Molecular analysis of ovarian resorption induced by hydric stress in <i>Blattella germanica</i> '
13-14	Hoffmeister, Lorena	UdG	Castells, Xavier	'Cuidado agudo y resultados de salud de los accidentes cerebrovasculares isquémicos en Chile'
13-14	Iannone, Camila	UPF	Valcárcel Juárez, Juan	'Links between chromatin structure and regulation of alternative pre-mRNA splicing in mammalian cells'
13-14	Invergo, Brandon	UPF	Bertranpetit, Jaume & Montanucci, Ludovica	'A system - level, molecular evolutionary analysis of mammalian phototransduction'
13-14	Jalencas Giménez, Xavier	UPF	Mestres, Jordi	'Chemoisosterism and its impact on drug polypharmacology'

13-14	Kessler, Roman	IRB	Azorín, Ferran	'Molecular and functional characterization of the HP1c complex in <i>Drosophila melanogaster</i> '
13-14	Lecland, Nicolas	CRG	Lüders, Jens	'Non-centrosomal microtubule nucleation and organization in mitosis'
13-14	Lugano, Roberta	ICCC-CSIC	Badimon, Lina & Padró, Teresa	'Low density lipoproteins, vascular smooth muscle cell function and vascular remodeling'
13-14	Malhotra, Sunny	VALL D'HEBRON	Montalban, Xavier & Comabella, Manuel	'Search of prognostic biomarkers in patients with multiple sclerosis'
13-14	Marcon, Luciano	CRG	Sharpe, James	'A dynamic Turing model of digit patterning'
13-14	Margalef González, Pol	IMIM	Espinosa Blay, Lluís & Bigas Salvans, Anna	'Identification and characterization of an oncogenic form of IKKa in colorectal cancer'
13-14	Mariotti, Marco	UPF	Guigó, Roderic	'Computational genomics of selenoproteins'
13-14	Martínez Fundichely, Alexander	ICREA	Caceres, Mario	'Bioinformatic characterization and analysis of polymorphic inversions in the human genome'
13-14	Masgrau Fortuny, Aina	CRG	Mendoza, Manuel	'The cytokinetic inhibitors Boi1 and Boi2 are required for activation of the exocyst complex by Rho GTPases'
13-14	Mateu Huertas, Elisabet	CRG	Estivill, Xavier & Martí, Eulàlia	'Insight into the disease processes of fragile X premutation carriers associated pathologies'
13-14	Mehdipanah, Roshanak	UPF	Muntaner, Carles & Borrell, Carme	'Urban Renewal and Health: The effects of the Neighbourhoods Law on health and health inequalities in Barcelona'
13-14	Millán Ariño, Lluís	UPF-TECNO	Jordan Vallès, Albert	'Genomic distribution and functional specificity of human histone H1 subtypes'

13-14	Millanes Romero, Alba	IMIM	Peiró, Sandra & Garcia de Herreros, Antonio	'Heterochromatin Dynamics during Epithelial - to - Mesenchymal Transition'
13-14	Mrkonjic, Sanela	UPF	Valverde, Miguel Angel	'TRPV4 channel regulation and involvement in cell motility'
13-14	Nadal Ribelles, Mariona	UPF	Posas, Francesc & de Nadal, Eulàlia	'Control of transcription by the stress activated Hog1 Kinase'
13-14	Nuñez Olle, Marc	UPF	Gil Gómez, Gabriel	'The Role of Cyclin O in the DNA Damage Response'
13-14	Paetzold, Bernhard	CRG	Serrano, Luis	'OSynthetic biology in M. pneumoniae'
13-14	Pavlovic, Milica	IRB	Gomis Cabre, Roger	'Identification of genetic determinants of breast cancer metastasis to the bone'
13-14	Pellegrini, Pasquale	PEBC	González Suárez, Eva	'RANK signalling, a master regulator of mammary stemness and cancer'
13-14	Petrovic, Jelena	UPF	Giraldez, Fernando	'Dual function of Notch signalling and role of Hes/Hey genes in the inner ear sensory development'
13-14	Pons Espinal, Meritxell	CRG	Dierssen Soto, Mara & Martínez de Lagrán, Maria	'Role of DYRK1A in hippocampal neuroplasticity: implications for Down syndrome'
13-14	Posavec, Melanija	IMPPC	Buschbeck, Marcus	'The role of the histone variant macroH2A1 in muscle physiology and pathophysiology'
13-14	Puig Barrachina, Vanesa	UPF	Benach, Joan & Martínez, José Miguel	'Monitoring employment - related health inequalities in Europe: the case of unemployment and precarious employment'
13-14	Puig Vilanova, Ester	IMIM	Barreiro Portela, Esther	'Biological mechanisms in respiratory and limb muscle dysfunction in chronic respiratory conditions: influence of disease severity and body composition'

13-14	Ramada Rodilla, José Maria	UPF	Delclós Clanchet, George & Serra Pujadas, Consol	'Translation, cross - cultural adaptation and validation of the work role functioning questionnaire (WRFQ) to Spanish spoken in Spain'
13-14	Rapino, Francesca	CRG	Graf, Thomas	'Induced transdifferentiation of human B - leukemia/lymphoma cell lines and inhibition of leukemigenicity'
13-14	Robles Hellin, Claudia	CREAL	De Sanjosé, Silvia & Kogevinas, Manolis	'Role of human polyomaviruses in lymphoproliferative disorders and bladder cancer'
13-14	Rodríguez Cuadrado, Sara	UPF-TECNO	Costa, Albert	'Attenuation of information during native/non - native interactions'
13-14	Sánchez García, Carolina	UPF-TECNO	Soto Faraco, Salvador	'Cross - modal predictive mechanisms during speech perception'
13-14	Santamaria García, Hernando	UPF-TECNO	Sebastián Gallés, Núria	'Understanding the social brain: Neurocognitive effects of experiencing a social hierarchy'
13-14	Santamariña Rubio, Elena	ASPB	Pérez, Catherine	'Riesgo de lesión por colisión de tráfico según movilidad en Cataluña. El tiempo en desplazamiento como medida de exposición'
13-14	Schmidt, stefanie	IMIM	Ferrer Forés, Montserrat	'Quality of Life in Urinary Bladder and Prostate Cancer Patients'
13-14	Slebe Concha, Juan Felipe	IRB	Guinovart, Joan & Gomis, Roger	'The FoxA1/FoxA2 - LIPG axis regulates breast cancer growth through changes in lipid metabolism'
13-14	Stanisavljevic, Jelena	IMIM	Baulida, Josep	'Snail1- the architect behind the matrix: Novel roles in desmoplastic microenvironments'
13-14	Stevanovic, Irena	IRB	Stracker, Travis	'Characterization of the in vivo functions of PrimPol, a novel TLS primase - polymerase'
13-14	Tejedor, Juan Ramon	UPF	Valcárcel Juárez, Juan	'Systematic functional analyses of Spliceosomal components reveal novel mechanisms of alternative splicing regulation'

13-14	Titos Vivancos, Iris	CRG	Mendoza, Manuel	'Topoisomerase II and dynamic microtubules solve sister chromatic intertwinings in anaphase'
13-14	Trujillano Lidón, Daniel	CRG	Estivill, Xavier	'Mendelian disease gene identification and diagnosis using targeted next generation sequencing'
13-14	Tur Mongé, Inmaculada	UPF	Castelo, Robert	'Mapping eQTL networks with mixed graphical models'
13-14	Vafeiadi, Marina	CREAL	Kogevinas, Manolis & Vrijheid, Martine	'Effect of hormone disruptors on birth outcomes and child's anogenital distance'
13-14	Valvi, Damaskini	CREAL	Vrijheid, Martine & Mendez, Michelle Ann	'Effects of endocrine-disrupting chemicals on childhood growth and obesity'
13-14	Vargas Prada, Sergio	UPF	Serra Pujadas, Consol & Martínez, Martínez, José Miguel	'Role of psychological and culturally influenced risk factors on symptoms and disability for musculoskeletal disorders: CUPID study (Spain)'
13-14	Vidal Torres, Alba	LAB. ESTEVE	Zamanillo, Daniel & Vela, José Miguel	'Selective antagonism of sigma-1 receptors as a new strategy for pain treatment: Behavioural and neurochemical studies'
13-14	Whissell, Gavin	IRB	Batlle, Eduard	'WNT signalling, hypoxia and GATA6: their role in colorectal cancer, stem cells and disease progression'
13-14	Yubero Lahoz, Samanta	UPF	de la Torre, Rafael	'MDMA pharmacology in humans and serotonergic effects'
13-14	Zecca, Andrea	UPF	Pujades, Cristina & López-Schier, Hernan	'Mechanisms responsible of sensory afferent projections into the hindbrain'

Recipients of a 2013-2014 Special Award