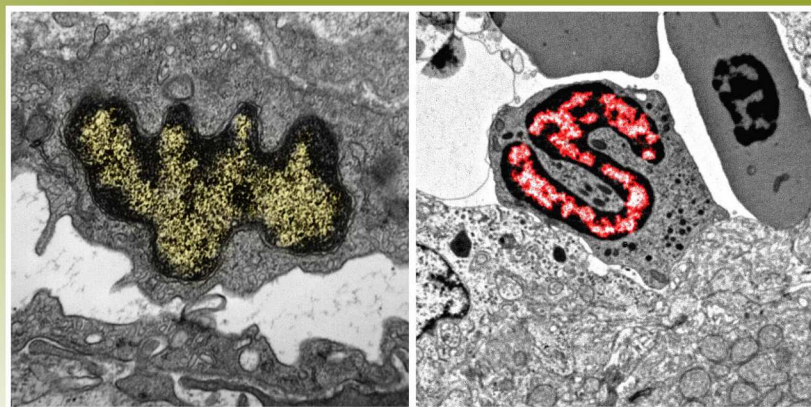


Memòria de Docència i Recerca

2017



BCFI

Departament de
Biologia Cel·lular, Fisiologia i Immunologia
Universitat Autònoma de Barcelona

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Personal



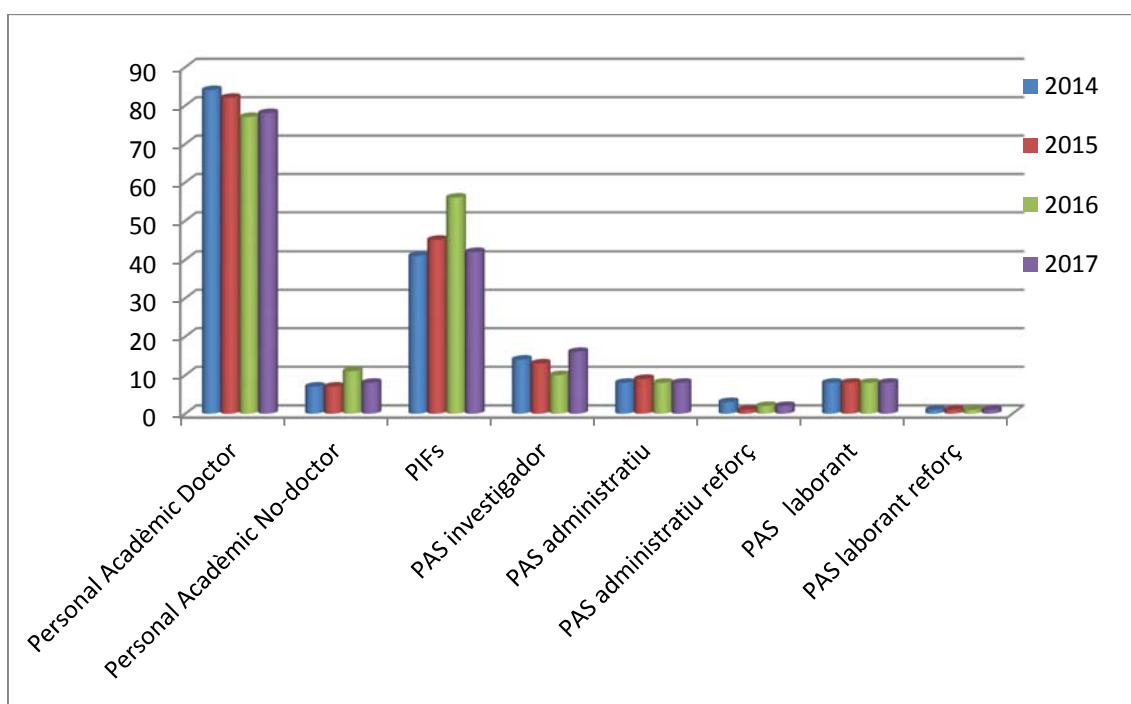
BCFI

Departament de
Biologia Cel·lular, Fisiologia i Immunologia
Universitat Autònoma de Barcelona

Evolució del Personal del Departament

2014-2017

| | 2014 | 2015 | 2016 | 2017 |
|-----------------------------|------|------|------|------|
| Personal Acadèmic Doctor | 84 | 82 | 77 | 78 |
| Personal Acadèmic no Doctor | 7 | 7 | 11 | 8 |
| PIFs | 41 | 45 | 56 | 42 |
| PAS investigador | 14 | 13 | 10 | 16 |
| PAS administratiu | 8 | 9 | 8 | 8 |
| PAS administratiu reforç | 3 | 1 | 2 | 2 |
| PAS laborant | 8 | 8 | 8 | 8 |
| PAS laborant reforç | 1 | 1 | 1 | 1 |



Docència



BCFI

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Universitat Autònoma de Barcelona

DOCÈNCIA PER GRAUS

| Grau | Assignatura | Codi | ECTS | Caràcter | Seqüència | Alumnes matriculats | Unitat | % Participació |
|------|-------------|------|------|----------|-----------|---------------------|--------|----------------|
|------|-------------|------|------|----------|-----------|---------------------|--------|----------------|

Grau de Biologia

| | | | | | | | |
|---|--------|----|----|-----|----|-----------------------|-------|
| Biologia cel·lular | 103980 | 6 | FB | 1.1 | 89 | BCBC | 100 |
| Histologia | 100782 | 6 | OB | 1.2 | 90 | CHBC | 100 |
| Ampliació d'histologia | 100784 | 6 | OB | 2.1 | 63 | CHBC | 100 |
| Ampliació de biologia cel·lular | 100779 | 6 | FB | 2.1 | 63 | BCBC | 100 |
| Endocrinologia | 100809 | 6 | OT | 4.0 | 96 | FABC | 100 |
| Evolució | 100770 | 9 | OT | 3.2 | 80 | CHBC | 51,13 |
| Fisiologia animal: sistemes | 100806 | 6 | OB | 2.2 | 67 | FABC | 100 |
| Fisiologia animal: neurofisiologia i endocrinologia | 100807 | 6 | OB | 3.1 | 90 | FABC | 100 |
| Fisiologia animal comparada i ambiental | 100808 | 9 | OT | 4.0 | 30 | FABC | 100 |
| Immunologia | 100757 | 9 | OB | 3.2 | 98 | IMM | 100 |
| Immunopatologia | 100754 | 3 | OB | 4.0 | 30 | IMM | 100 |
| Biologia del desenvolupament | 100783 | 6 | OT | 4.0 | 14 | CHBC | 100 |
| Citogenètica | 100761 | 6 | OT | 4.0 | 27 | BCBC | 100 |
| Fisiologia de la conducta | 100805 | 6 | OT | 4.0 | 11 | FABC | 100 |
| Histologia d'òrgans i sistemes | 100781 | 6 | OT | 4.0 | 24 | CHBC | 100 |
| Primatologia | 100748 | 3 | OT | 4.0 | 29 | CHBC | 31,84 |
| Tecnologia de la reproducció | 100760 | 6 | OT | 4.0 | 81 | BCBC | 100 |
| Immunologia de les malalties infeccioses | 100756 | 6 | OT | 4.0 | 49 | IMM | 100 |
| Pràctiques externes | 100795 | 12 | OT | 4.0 | 62 | BCBC, CHBC, FABC, IMM | 1,61 |
| Treball de fi de grau | 100785 | 6 | OB | 4.A | 65 | BCBC, CHBC, FABC, IMM | 28 |

Grau de Bioquímica

| | | | | | | | |
|---|--------|----|----|-----|----|-----------------------|-------|
| Biologia cel·lular | 100892 | 6 | FB | 1.1 | 70 | BCBC | 100 |
| Laboratori integrat 1 | 100886 | 3 | OB | 1.1 | 68 | BCBC | 22,2 |
| Histologia | 100870 | 3 | OB | 1.2 | 69 | CHBC | 100 |
| Laboratori integrat 2 | 100885 | 3 | OB | 1.2 | 68 | CHBC | 15,55 |
| Cultius cel·lulars | 100887 | 3 | OB | 2.2 | 61 | BCBC | 100 |
| Fisiologia animal | 100898 | 6 | FB | 2.2 | 75 | FABC | 100 |
| Laboratori integrat 4 | 100883 | 3 | OB | 2.2 | 59 | FABC | 26,11 |
| Bioquímica: aspectes legals i socials | 100897 | 3 | OB | 3.2 | 63 | BCBC | 70 |
| Immunologia | 100869 | 6 | OB | 3.2 | 60 | IMM | 100 |
| Laboratori integrat 5 | 100882 | 3 | OB | 3.2 | 65 | IMM | 17 |
| Endocrinologia | 100860 | 6 | OT | 4.0 | 96 | FABC | 100 |
| Desenvolupament animal i tècniques de manipulació embrionària | 100861 | 6 | OT | 4.1 | 33 | BCBC | 68,57 |
| Pràctiques en empreses i institucions | 100899 | 12 | OT | 4.0 | 61 | BCGM, CHBC, FABC, IMM | 1,64 |
| Treball de fi de grau | 100895 | 6 | OB | 4.A | 62 | BCGM, CHBC, FABC, IMM | 19,3 |

DOCÈNCIA PER GRAUS

| Grau | Assignatura | Codi | ECTS | Caràcter | Seqüència | Alumnes matriculats | Unitat | % Participació |
|------------------------------|-------------------------------------|--------|------|----------|-----------|---------------------|-----------------|----------------|
| <i>Grau de Biotecnologia</i> | | | | | | | | |
| | Biologia cel·lular | 100939 | 6 | FB | 1.1 | 82 | BCBC | 100 |
| | Laboratori integrat 1 | 100928 | 3 | OB | 1.1 | 85 | BCBC | 24 |
| | Fisiologia animal | 100932 | 6 | FB | 2.1 | 71 | FABC | 100 |
| | Laboratori integrat 3 | 100926 | 3 | OB | 2.1 | 67 | FABC | 21 |
| | Aspectes legals de la biotecnologia | 100971 | 6 | OB | 3.2 | 79 | BCBC | 28 |
| | Cultius cel·lulars | 100929 | 3 | OB | 3.2 | 62 | BCBC | 100 |
| | Immunologia | 100918 | 6 | OB | 3.2 | 76 | IMM | 100 |
| | Tecnologia de la reproducció | 100942 | 6 | OT | 4.0 | 82 | BCBC | 100 |
| | Pràctiques externes | 100916 | 12 | OT | 4.0 | 66 | BCBC, FABC, IMM | 4,57 |
| | Treball de fi de grau | 100950 | 6 | OB | 4.A | 68 | BCBC, FABC, IMM | 13 |

Grau de Ciències Biomèdiques

| | | | | | | | | |
|--|---|--------|----|----|-----|----|-------------------------------|-------|
| | Biologia cel·lular | 101914 | 6 | FB | 1.1 | 65 | BCBC | 100 |
| | Histologia i fisiologia general | 101894 | 6 | OB | 1.2 | 59 | FM, HM | 100 |
| | Laboratori I | 101907 | 6 | OB | 1.A | 59 | BCBC, HM | 35 |
| | Biologia molecular de la cèl·lula | 101898 | 6 | OB | 2.1 | 53 | BCGM | 66,67 |
| | Histologia de sistemes | 101895 | 6 | OB | 2.1 | 55 | CHBC | 100 |
| | Biologia del desenvolupament i teratogènia | 101890 | 6 | OB | 2.2 | 54 | BCGM | 26 |
| | Estructura i funció del sistema nerviós | 101919 | 6 | OB | 2.2 | 55 | FABC, HM | 75 |
| | Immunologia | 101932 | 6 | OB | 2.2 | 53 | IMM | 100 |
| | Fisiologia de sistemes | 101905 | 12 | FB | 2.A | 61 | FABC | 100 |
| | Laboratori II | 101906 | 6 | OB | 2.A | 52 | BCGM, CHBC, FABC, HM, FM, IMM | 61,3 |
| | Genètica mèdica | 101886 | 6 | OB | 3.1 | 42 | BCGM | 100 |
| | Immunopatologia | 101929 | 3 | OB | 3.2 | 47 | IMM UDH | 100 |
| | Nutrició i dietètica | 101881 | 6 | OP | 4.0 | 8 | FM | 100 |
| | Principis d'epidemiologia, salut pública i bioètica | 101901 | 6 | OB | 3.2 | 46 | BCBC | 54 |
| | Citogenètica | 101888 | 6 | OT | 4.0 | 27 | BCBC | 100 |
| | Enginyeria biomèdica i aplicacions d'electrònica | 101923 | 6 | OT | 4.0 | 15 | FM | 38,33 |
| | Fisiologia aplicada | 101908 | 6 | OT | 4.0 | 13 | FABC, FM | 100 |
| | Genètica del càncer i oncologia | 101882 | 6 | OT | 4.0 | 38 | BCGM | 6 |
| | Genètica i reproducció | 101891 | 3 | OT | 4.0 | 57 | BCBC | 100 |
| | Immunologia de les malalties infeccioses | 101931 | 6 | OT | 4.0 | 49 | IMM | 92 |
| | Tecnologia de la reproducció | 101921 | 6 | OT | 4.0 | 25 | BCBC | 81 |
| | Pràctiques professionals | 101926 | 12 | OT | 4.0 | 44 | BCGM, CHBC, FABC, HM, FM, IMM | 70 |
| | Treball de fi de grau | 101885 | 6 | OB | 4.A | 56 | BCGM, CHBC, FABC, HM, FM, IMM | 50 |

Grau de Biologia Ambiental

| | | | | | | | | |
|--|---|--------|----|----|-----|----|------------------|-----|
| | Biologia cel·lular i histologia | 100855 | 6 | FB | 1.1 | 69 | BCBC, CHBC | 100 |
| | Fisiologia animal comparada i ambiental | 100834 | 10 | OB | 2.1 | 63 | FABC | 100 |
| | Treball de fi de grau | 100815 | 6 | OB | 4.0 | 66 | BCBC, CHBC, FABC | 20 |

DOCÈNCIA PER GRAUS

| Grau | Assignatura | Codi | ECTS | Caràcter | Seqüència | Alumnes matriculats | Unitat | % Participació |
|-------------------------|---------------------------------|--------|------|----------|-----------|---------------------|-----------------|----------------|
| <i>Grau de Genètica</i> | | | | | | | | |
| | Biologia cel·lular i histologia | 101955 | 9 | FB | 1.1 | 74 | BCBC, CHBC | 100 |
| | Laboratori integrat I | 101947 | 3 | OB | 1.1 | 66 | BCBC, CHBC | 54,9 |
| | Fisiologia animal | 101952 | 6 | OB | 1.2 | 90 | FABC | 100 |
| | Laboratori integrat II | 101946 | 3 | OB | 1.2 | 74 | FABC | 15 |
| | Citogenètica | 101964 | 6 | OB | 2.1 | 62 | BCBC | 100 |
| | Laboratori integrat III | 101945 | 3 | OB | 2.1 | 60 | BCBC | 30 |
| | Bioètica i legislació | 101938 | 3 | OB | 3.2 | 51 | BCBC | 70,84 |
| | Genètica mèdica | 101970 | 6 | OB | 3.2 | 52 | BCGM | 100 |
| | Immunologia | 101981 | 6 | OT | 4.0 | 48 | IMM | 100 |
| | Pràctiques externes | 101958 | 12 | OT | 4.0 | 54 | BCBC, FABC, IMM | 18 |
| | Treball de fi de grau | 101976 | 6 | OB | 4.0 | 54 | BCBC, FABC, IMM | 16 |
| | Genètica i reproducció | 104120 | 3 | OB | 3.1 | 57 | BCBC | 100 |
| | Genètica del càncer | 101972 | 6 | OT | | 38 | BCGM | 6 |

Grau de Microbiologia

| | | | | | | | | |
|--|--|--------|---|----|-----|----|-----------------------|-------|
| | Biologia animal | 100991 | 6 | FB | 1.1 | 66 | FABC | 48,15 |
| | Biologia cel·lular i histologia animal | 100990 | 9 | FB | 1.1 | 72 | BCBC, CHBC | 100 |
| | Laboratori integrat I | 100980 | 3 | OB | 1.1 | 68 | BCBC, CHBC, FABC | 57 |
| | Biologia vegetal | 100989 | 9 | FB | 1.2 | 67 | CHBC | 23 |
| | Laboratori integrat II | 100979 | 3 | OB | 1.2 | 64 | CHBC | 18,9 |
| | Immunologia | 101008 | 6 | OB | 2.1 | 63 | IMM | 100 |
| | Laboratori integrat III | 100978 | 3 | OB | 2.1 | 58 | IMM | 30 |
| | Fisiologia animal: sistemes | 100993 | 6 | OT | 4.0 | 7 | FABC | 100 |
| | Immunologia de les malalties infeccioses | 101007 | 6 | OT | 4.0 | 51 | IMM | 93 |
| | Treball de fi de grau | 100987 | 6 | OB | 4.0 | 59 | BCBC, CHBC, FABC, IMM | 10 |

Grau de Nanociència i Nanotecnologia

| | | | | | | | | |
|--|---|--------|----|----|-----|----|-----------|------|
| | Biologia cel·lular | 103979 | 6 | FB | 1.1 | 79 | BCBC | 100 |
| | Microbiologia, immunologia i cultius cel·lulars | 103275 | 8 | OB | 3.2 | 68 | BCBC, IMM | 72 |
| | Pràctiques Externes | 103269 | 12 | OT | 4.0 | 32 | BCBC | 3,12 |
| | Treball de Fi de Grau | 103284 | 12 | OB | 4.0 | 53 | BCBC | 7,55 |

Grau de Química

| | | | | | | | | |
|--|---|--------|---|----|-----|-----|------|-------|
| | Fonaments de biologia molecular i cel·lular | 102493 | 6 | FB | 1.1 | 121 | BCBC | 45,25 |
|--|---|--------|---|----|-----|-----|------|-------|

DOCÈNCIA PER GRAUS

| Grau | Assignatura | Codi | ECTS | Caràcter | Seqüència | Alumnes matriculats | Unitat | % Participació |
|-------------------------|---|--------|------|----------|-----------|---------------------|--------------|----------------|
| <i>Grau de Medicina</i> | | | | | | | | |
| | Biologia cel·lular | 102954 | 6 | FB | 1.1 | 324 | BCGM | 100 |
| | Histologia | 103631 | 3 | FB | 1.2 | 354 | FM, HM | 100 |
| | Aprenentatge integrat en Medicina I | 103633 | 4 | OB | 1.2 | 287 | BCGM, HM, FM | 6 |
| | Estructura microscòpica d'aparells i sistemes | 102955 | 6 | FB | 2.A | 411 | HM | 100 |
| | Fisiologia General | 103632 | 3 | FB | 1.2 | 342 | FM | 100 |
| | Fisiologia mèdica I | 102957 | 8 | FB | 2.1 | 352 | FM | 98 |
| | Genètica humana | 102958 | 4,5 | OB | 2.1 | 330 | BCGM | 100 |
| | Fisiologia mèdica II | 103629 | 9 | FB | 2.2 | 379 | FM | 100 |
| | Biologia del desenvolupament i teratogènia | 102868 | 3 | OT | 2.2 | 32 | BCGM | 24 |
| | Fisiologia aplicada | 102916 | 3 | OT | 3.2 | 37 | FM | 53 |
| | Immunologia mèdica | 102928 | 4 | OB | 3.1 | 352 | IMM UDH | 100 |
| | Nutrició humana | 103645 | 2,5 | OB | 2.2 | 274 | FM | 100 |
| | Aprenentatge integrat en Medicina II | 103634 | 3 | OB | 2.2 | 276 | BCGM, FM | 60,38 |
| | Genètica mèdica | 102886 | 3 | OT | 3.2 | 50 | BCGM | 100 |
| | Tècniques de laboratori en Histologia | 103351 | 3 | OT | 2.2 | 22 | HM UDH | 100 |
| | Treball final de grau | 102926 | 6 | OB | 6.1 | 296 | | 5,42 |

Grau de Medicina UAB-UPF

| | | | | | | | |
|-------------|--------|---|---|-----|----|---------|----|
| Immunologia | 103482 | 4 | O | 3.1 | 56 | IMM UDH | 10 |
|-------------|--------|---|---|-----|----|---------|----|

Grau de Fisioteràpia

| | | | | | | | |
|--------------------------------|--------|---|----|-----|-----|----------|-----|
| Bases biològiques del cos humà | 102993 | 9 | FB | 1.1 | 83 | BCGM, HM | 67 |
| Funció del cos humà | 102992 | 9 | FB | 1.A | 105 | FM | 100 |

Grau d' Infermeria

| | | | | | | | |
|-------------------------|--------|---|----|-----|-----|----------|-------|
| Estructura del cos humà | 101797 | 6 | FB | 1.1 | 102 | BCGM, HM | 37,74 |
| Funció del cos humà I | 101789 | 6 | FB | 1.1 | 97 | FM | 67 |
| Funció del cos humà II | 101788 | 6 | FB | 1.2 | 108 | FM | 100 |

Grau de Logopèdia

| | | | | | | | |
|---|--------|---|----|-----|----|----------|-------|
| Anatomia i fisiologia dels òrgans de la veu i la parla | 101701 | 6 | FB | 1.1 | 90 | FM | 37,32 |
| Anatomia i fisiologia del sistema nerviós | 101700 | 6 | FB | 1.2 | 92 | FM | 55,65 |
| Canvis biològics durant el cicle vital: implicacions per a la logopèdia | 101703 | 6 | OB | 2.1 | 86 | BCGM, FM | 36,63 |
| Biologia del desenvolupament i teratogènia: implicacions per a la logopèdia | 101704 | 6 | OT | 3.2 | 20 | BCGM | 36,11 |
| Treball de Fi de Grau | 101699 | 6 | OB | | 68 | BCGM, FM | 4,41 |

DOCÈNCIA PER GRAUS

| Grau | Assignatura | Codi | ECTS | Caràcter | Seqüència | Alumnes matriculats | Unitat | % Participació |
|------|-------------|------|------|----------|-----------|---------------------|--------|----------------|
|------|-------------|------|------|----------|-----------|---------------------|--------|----------------|

Grau de Ciència i Tecnologia dels Aliments

| | | | | | | | |
|--------------------------------------|--------|----|----|-----|----|---------------|-------|
| Biologia animal, vegetal i cel·lular | 103251 | 6 | FB | 1.1 | 70 | BCBC | 36,48 |
| Experimentació al Laboratori | 103249 | 6 | FB | 1.2 | 78 | BCBC | 8,98 |
| Fisiologia humana | 103252 | 6 | FB | 2.1 | 76 | FV | 100 |
| Pràcticum | 103241 | 12 | OB | | 57 | FV, BCBC, IMM | 1,75 |
| Treball de Fi de Grau | 103235 | 6 | OB | | 74 | FV, BCBC, IMM | 6,76 |

Grau de Veterinària

| | | | | | | | |
|--|--------|---|----|-----|-----|---------------|-------|
| Biologia animal i cel·lular | 102652 | 7 | FB | 1.1 | 128 | BCBC | 35,9 |
| Laboratori integrat | 102612 | 3 | OB | 1.1 | 118 | BCBC | 35,29 |
| Estructura i funció del sistema nerviós | 102634 | 6 | FB | 1.2 | 130 | FV | 41,38 |
| Fisiologia | 102633 | 9 | FB | 2.1 | 137 | FV, IMM | 97,62 |
| Bases moleculars i mecanismes de les malalties | 102658 | 3 | OT | | 41 | FV | 40,82 |
| Ciència de l'animal de laboratori | 102657 | 3 | OT | | 11 | FV | 98,04 |
| Cultius cel·lulars en recerca biomèdica | 103977 | 3 | OT | | 20 | BCBC | 100 |
| Disseny experimental i de Projectes de Recerca | 103972 | 3 | OT | | 15 | FV | 59,26 |
| Pràctiques externes | 102609 | 9 | OB | | 124 | FV, BCBC, IMM | 3,23 |
| Tècniques de reproducció assistida aplicades a la gestió de soques d'animals de laboratori | 103975 | 3 | OT | | 25 | BCBC | 88 |
| Treball de Fi de Grau | 102635 | 6 | OB | | 129 | FV, BCBC, IMM | 2,33 |
| Medicina i Cirurgia d'animals de companyia | 102622 | 7 | | | 143 | IMM | 4,84 |

DOCÈNCIA EN MÀSTERS OFICIALS

| Màster | Mòdul | Codi | ECTS | Caràcter | Alumnes | UNITAT | % Participació |
|--------|-------|------|------|----------|---------|--------|----------------|
|--------|-------|------|------|----------|---------|--------|----------------|

Citogenètica i Biologia de la Reproducció

| | | | | | | |
|---|-------|----|----|----|-----------------------|-------|
| Anàlisi i Presentació de Dades científiques | 42940 | 6 | OB | 25 | BCGM | 68,18 |
| Nous Avenços en Citogenètica i BR | 42941 | 6 | OB | 25 | BCBC, BCGM, CHBC, IMM | 88,24 |
| Càncer i Radiobiologia | 42942 | 6 | OT | 12 | BCBC, BCGM, FM | 80 |
| Citogenètica clínica | 42943 | 6 | OT | 12 | BCGM | 95,12 |
| Desenvolupament, Totipotència i Diferenciació | 42944 | 6 | OT | 13 | BCBC | 66,67 |
| Genòmica Comparativa | 42945 | 6 | OT | 12 | CHBC, IMM | 67,70 |
| Teconologia Associada a la Reproducció | 42946 | 12 | OT | 13 | BCBC, BCGM, IMM | 72,73 |
| Casos Exemple en Citog i BR | 42947 | 6 | OB | 25 | BCGM | 49,12 |
| Treball Fi de Màster | 42948 | 6 | OB | 25 | BCBC, BCGM | 92 |
| Laboratori Integrat de Biologia de la Reproducció | 42949 | 9 | OT | 13 | BCBC, CHBC | 100 |
| Laboratori Integrat de Citogenètica | 42950 | 9 | OT | 12 | BCGM, CHBC | 88,51 |
| Metodologia de Recerca | 42951 | 9 | OT | 8 | BCBC, BCGM, CHBC | 75 |
| Pràctiques en Empreses | 42952 | 9 | OT | 17 | BCGM | 100 |

Eramus Mundus en Educació Internacional en Vacunes

| | | | | | | |
|--|-------|----|----|----|-----|-----|
| Anatomia Funcional del Sistema Immunitari | 43796 | 3 | OB | 20 | IMM | 100 |
| Autoimmunitat | 43800 | 3 | OB | 20 | IMM | 100 |
| Dinàmica de la Resposta Innata i Adaptativa | 43795 | 3 | OB | 20 | IMM | 100 |
| Immunodeficiències | 43801 | 3 | OB | 20 | IMM | 100 |
| Mecanismes d'Immunopatologia | 43799 | 3 | OB | 20 | IMM | 100 |
| Reconeixement de l'Antigen | 43797 | 3 | OB | 20 | IMM | 100 |
| Resposta Immunitària a Infeccions per Patògens | 43802 | 6 | OB | 20 | IMM | 100 |
| Treball de Fi de Màster | 43810 | 27 | OB | 24 | IMM | 100 |

DOCÈNCIA EN MÀSTERS OFICIALS

| Màster | Mòdul | Codi | ECTS | Caràcter | Alumnes | UNITAT | % Participació |
|--------|-------|------|------|----------|---------|--------|----------------|
|--------|-------|------|------|----------|---------|--------|----------------|

Immunologia Avançada (interuniversitari UAB-UB)

| | | | | | | |
|--|-------|-----|----|----|-----|-------|
| Activació i Regulació de la Resposta Immunitària | 42789 | 7,5 | OB | 44 | IMM | 93,62 |
| Immunobiotecnologia | 42790 | 2,5 | OT | 44 | IMM | 100 |
| Immunopatologia avançada | 42791 | 13 | OT | 44 | IMM | 92,64 |
| Tècniques Avançades d'Immunologia | 42792 | 7,5 | OB | 44 | IMM | 100 |
| Treball de Fi de Màster | 42793 | 25 | OB | 44 | IMM | 97,73 |

Neurociències

| | | | | | | |
|---|-------|----|----|----|--------------|-------|
| Neurobiologia Molecular i Fisiològica | 42890 | 9 | OB | 53 | FABC, FM, FV | 50,22 |
| Neuroanatomia i Neurobiologia cel.lular | 42909 | 9 | OB | 38 | CHBC, HM | 51,14 |
| Fisiopatologia i Regeneració de les Malalties Neurològiques | 42910 | 9 | OB | 37 | FABC, FM | 55,57 |
| Neurobiologia de la Cognició i del Comportament | 42911 | 9 | OB | 39 | FABC | 15 |
| Treball Fi Master | 42912 | 12 | OB | 36 | | 38,89 |

Antropologia Biològica (interuniversitari UAB-UB)

| | | | | | | |
|---|-------|-----|----|----|----------|------|
| Antropologia física i forense | 42782 | 7,5 | OP | 18 | HM | 6,95 |
| Diversitat humana i aplicacions biomèdiques | 42783 | 5 | OP | 15 | BCBC | 25 |
| Perspectives en Antropologia Biològica | 42784 | 5 | OP | 18 | BCBC, HM | 5,56 |

Aqüicultura (interuniversitari UAB-UB-UPC)

| | | | | | | |
|--|-------|----|----|----|----|-------|
| Salut i benestar dels animals aquàtics | 42787 | 10 | OB | 17 | HM | 42,50 |
|--|-------|----|----|----|----|-------|

Bioquímica i Biologia Molecular

| | | | | | | |
|---------------------------------------|-------|---|----|----|--------------|-------|
| Neurobiologia Molecular i Fisiològica | 42890 | 9 | OP | 53 | HM, FABC, FM | 50,22 |
|---------------------------------------|-------|---|----|----|--------------|-------|

Farmacologia

| | | | | | | |
|---|-------|----|----|----|----------|-------|
| Farmacologia Aplicada | 42358 | 12 | OB | 25 | FM | 4,35 |
| Mètodes de Recerca en Farmacologia Preclínica | 42361 | 9 | OB | 4 | HM, FABC | 23,53 |

Antropologia Biològica

| | | | | | | |
|---|-------|---|----|----|------|----|
| Diversitat Humana i Aplicacions Biomèdiques | 42783 | 5 | OP | 15 | BCBC | 25 |
|---|-------|---|----|----|------|----|

Tesis



BCFI

Departament de
Biologia Cel·lular, Fisiologia i Immunologia
Universitat Autònoma de Barcelona

TESIS 2017

Programes de Doctorat

Biologia Cel·lular

Autor: Irene Campoy Moncayo

Títol: Exosomes en aspirats uterins: caracterització i identificació de biomarcadors diagnòstics i pronòstics en càncer d'endometri.

Data lectura: 24/07/2017

Director/s: Dra. Eva Colàs Ortega, Dr. Antonio Gil Moreno, Dr. Jaime Reventos Puigjaner

Autor: Laura Devis Jauregui

Títol: Rol de l'Activated Leukocyte Cell Adhesion Molecule (ALCAM) en la progressió i disseminació del càncer d'endometri.

Data lectura: 20/04/2017

Director/s: Dra. Eva Colàs Ortega, Dr. Antonio Gil Moreno, Dr. Jaime Reventos Puigjaner

Autor: Lucía Lanau Angulo

Títol: Noves molècules associades al càncer d'ovari per la millora del seu diagnòstic i tractament.

Data lectura: 23/06/2017

Director/s: Dr. Jaime Reventos Puigjaner, Dra. Marina Rigau Resina, Dra. Anna Santamaria Margalef

Autor: Elena Martínez García

Títol: Identificació de panells de biomarcadors proteics en aspirats uterins per la millora del diagnòstic en càncer d'endometri. Projecte CEMARK.

Data lectura: 27/07/2017

Director/s: Dra. Eva Colàs Ortega, Dr. Antonio Gil Moreno, Dr. Jaime Reventos Puigjaner

Autor: Joan Repullés Fernández

Títol: Contribució de la radiació ionitzant en el procés de transformació cel·lular.

Data lectura: 27/10/2017

Director/s: Dra. Anna Genescà Garrigosa, Dra. Maria Terradas III

Autor: Keyban Torabi Asensio

Títol: La disomia uniparental adquirida en el càncer colorectal.

Data lectura: 04/09/2017

Director/s: Dr. Jordi Camps Polo, Dra. Rosa Miró Ametller, Dra. Immaculada Ponsa Arjona

Autor: Marta Vila Cejudo

Títol: Efecte de l'activitat de les vies de senyalització en la derivació de cèl·lules mare embrionàries de ratolí a partir de blastòmers aïllats.

Data lectura: 19/09/2017

Director/s: Dra. María Elena Ibañez de Sans, Dr. Josep Santaló Pedro

Neurociències

Autor: Gemma Comes Orpinell

Títol: La família de les metal·lotioneïnes: unes proteïnes multifuncionals. influència de la mt1 en el model murí tg2576 de la malaltia d'Alzheimer.

Data lectura: 20/09/2017

Director/s: Dr. Juan Hidalgo Pareja

Autor: Olaya Fernández Gayol

Títol: La font d'interleuquina-6 en el sistema nerviós central determina els seus efectes en el pes corporal i el comportament.

Data lectura: 28/07/2017

Director/s: Dr. Juan Hidalgo Pareja

Autor: Victor Manuel López Álvarez

Títol: Tractaments dependents d'activitat per al dolor neuropàtic.

Data lectura: 30/10/2017

Director/s: Dr. Stefano Cobianchi, Dr. Xavier Navarro Acebes

Autor: Clara López Serrano

Títol: Participació dels receptors de l'àcid lisofosfatídic a la fisiopatologia de la lesió medul·lar.

Data lectura: 27/11/2017

Director/s: Dr. Ruben López Vales

Autor: David Romeo Guitart

Títol: Potenciació dels mecanismes endògens de neuroprotecció i reparació després de dany agut al sistema nerviós.

Data lectura: 26/10/2017

Director/s: Dra. Catalina Casas Louzao

Medicina

Autor: Daniel Álvarez Simón

Títol: Efecte de la contaminació ambiental en l'asma per soja.

Data lectura: 30/11/2017

Director/s: Dra. María Jesús Cruz Carmona, Dra. Susana Gómez Olles, Dr. Francisco Javier Muñoz Gall

Autor: Ana María Villar Gómez

Títol: Pneumonitis per hipersensibilitat i fibrosi pulmonar: estudi etiològic i del perfil inflamatori.

Data lectura: 21/09/2017

Director/s: Dra. María Jesús Cruz Carmona, Dr. Ferran Morell Brotad, Dr. Francisco Javier Muñoz Gall

Immunologia

Autor: Gemma Aran Canals

Títol: Paper de P-X en la resposta dels hepatòcits i els macròfags en el càncer de fetge.

Data lectura: 30/10/2017

Director/s: Dra. Lucía Sanjurjo Bouza, Dra. María Rosa Sarrias Fornes

Autor: Clara Franco Jarava

Títol: Caracterització clínica i molecular dels defectes en les molècules factor I i C5 del sistema de complement: del diagnòstic als estudis poblacionals.

Data lectura: 14/07/2017

Director/s: Dr. Roger Colobrán Oriol, Dr. Manuel Hernández González

Autor: Erika Margaret Scholz Valero

Títol: Mecanismes de processament i presentació antigènica en autoimmunitat.

Data lectura: 07/07/2017

Director/s: Dra. Ignacio Gerardo Alvarez Pérez

Biodiversitat

Autor: Roser Puig Casanovas

Títol: Aplicació de la condensació prematura de cromosomes (PCC) a la dosimetria biològica.

Data lectura: 21/03/2017

Director/s: Dr. Joan Francesc Barquinero, Dr. Leonardo Barrios, Dra. María Rosa Caballín

Ciències Morfològiques

Autor: Lucía Inés Martínez Carnovale

Títol: Noves eines per afavorir la maduració i permeabilitat de les fistules arteriovenoses.

Data lectura: 27/10/2017

Director/s: Dr. Vicens Artigas Raventós, Dr. Juan Vicente Esteve Simó, Dr. Secundino Llagostera Pujol

Aqüicultura

Autor: Jie Ji

Títol: Modulant el sistema immune innat per desenvolupar noves estratègies profilàctiques: el que hem après d'amfiox (*B. Lanceolatum*) i zebrafish (*D.Rerio*).

Data lectura: 22/12/2017

Director/s: Dra. Nerea Roher Armentia

Autor: Ali Reza Khansari

Títol: Resposta immunoendocrina comparada a factors estressants en orada i truita.

Data lectura: 18/09/2017

Director/s: Dr. Lluís Tort Bardolet, Dr. Felipe Reyes López

Bioquímica, Biologia Molecular i Biomedicina

Autor: Laura Palomo Sanchís

Títol: Caracterització genètica de la leucèmia mielomonocítica crònica de baix risc citogenètica.

Data lectura: 27/09/2017

Director/s: Dr. Francisco Asís Solé Ristol, Dra. Lurdes Zamora Plana

Medicina i Sanitat Animal

Autor: Jorge Rodrigo Castro López

Títol: Expressió de la glicoproteïna p, gen de multiresistència a medicaments i ciclooxigenasa 2 en gats amb malaltia intestinal inflamatòria i linfoma alimentari de grau baix.

Data lectura: 06/11/2017

Director/s: Dra. Mariana Teles Pereira, Dr. Josep Pastor Milan, Dra. Marta Planellas Bachs.

Anàlisi publicacions per anys i unitats



BCFI

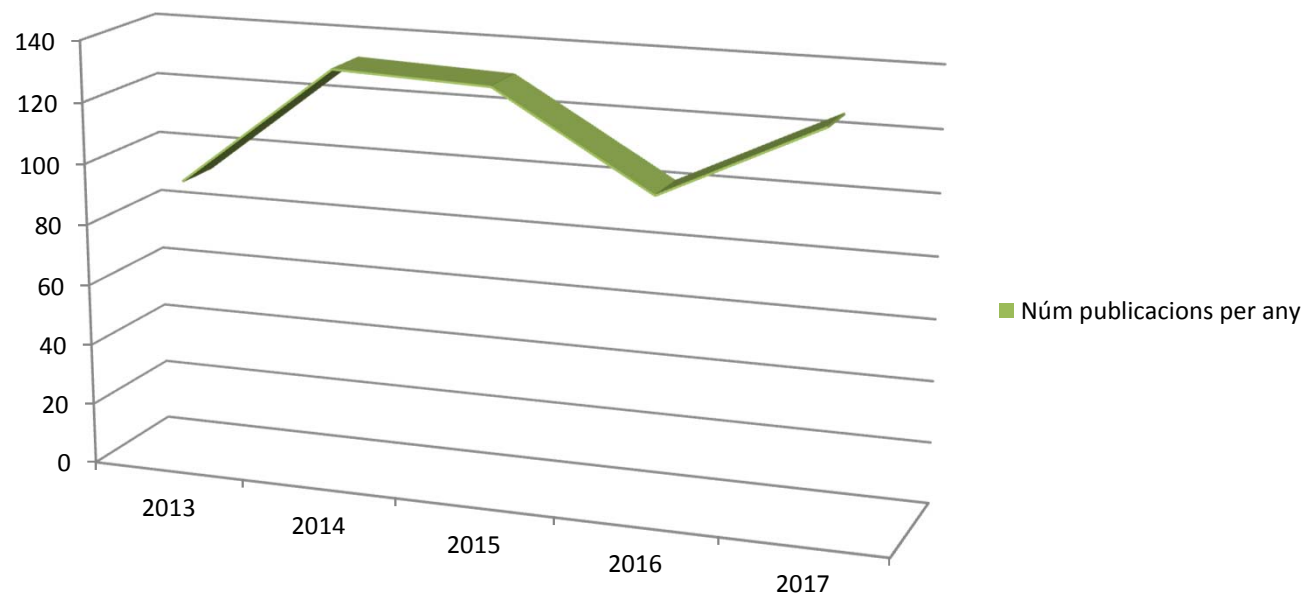
Departament de
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Universitat Autònoma de Barcelona

Anàlisi Publicacions 2013/2017

| Unitats | 2013 | 2014 | 2015 | 2016 | 2017 | Total |
|--------------------------------------|-----------|------------|------------|------------|------------|-------------|
| Biologia Cel.lular (Biociències) | 10 | 17 | 19 | 17 | 27 | 90 |
| Citologia-Histologia (Biociències) | 6 | 6 | 7,5 | 6 | 0 | 25,5 |
| Fisiologia animal (Biociències) | 12 | 26 | 26 | 23 | 31 | 118 |
| Biologia Cel.lular i Genètica Mèdica | 14 | 11 | 10,5 | 5 | 9 | 49,5 |
| Fisiologia Mèdica | 33 | 44 | 25 | 31 | 20 | 153 |
| Histologia Mèdica | 7 | 2 | 3,5 | 3 | 0 | 15,5 |
| Immunologia | 5 | 4 | 9 | 8 | 36 | 62 |
| Immunologia UDHH | 0 | 5 | 15,5 | 0 | 0 | 20,5 |
| Fisiologia (Veterinària) | 6 | 18 | 15 | 8 | 3 | 50 |
| Total Departament | 93 | 133 | 131 | 101 | 126 | 584 |

Evolució del número de publicacions 2013/2017

Núm de publicacions



Detall publicacions per unitats



BCFI

Departament de
Biologia Cel·lular, Fisiologia i Immunologia
Universitat Autònoma de Barcelona

2017

Corral-Vazquez C, Blanco J, Salas-Huetos A, Vidal F, Anton E.

Normalization matters: tracking the best strategy for sperm miRNA quantification. *Molecular human reproduction*, 23 (1), pp. 45-53. - 2017

Alea-Reyes ME, Soriano J, Mora-Espí I, Rodrigues M, Russell DA, Barrios L, Pérez-García L.

Amphiphilic gemini pyridinium-mediated incorporation of Zn(II)meso-tetrakis(4-carboxyphenyl)porphyrin into water-soluble gold nanoparticles for photodynamic therapy. *Colloids and Surfaces B: Biointerfaces*, 158, pp. 602-609 - 2017

Vargas-Estevez C, Blanquer A, Dulal P, Pérez del Real R, Duch M, Ibáñez E, Barrios L, Murillo G, Torras N, Nogués C, Stadler BJH, Plaza JA, Esteve J.

Study of Galfenol direct cytotoxicity and remote microactuation in cells. *Biomaterials*, 139, pp. 67-74 - 2017

Fornell J, Soriano J, Guerrero M, Sirvent JD, Ferran-Marqués M, Ibáñez E, Barrios L, Baró MD, Suriñach S, Nogués C, Sort J, Pellicer E.

Biodegradable FeMnSi sputter-coated macroporous polypropylene membranes for the sustained release of drugs. *Nanomaterials*, 7 (7), art. no. 155 - 2017

Murillo G, Blanquer A, Vargas-Estevez C, Barrios L, Ibáñez E, Nogués C, Esteve J.

Electromechanical Nanogenerator–Cell Interaction Modulates Cell Activity. *Advanced Materials*, 29 (24), art. no. 1605048 - 2017

Murillo G, Blanquer A, Vargas C, Barrios L, Ibáñez E, Nogués C, Esteve J.

Development of piezoelectric nanostructures for cell stimulation. *Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)*, art. no. 7863361, pp. 145-146 - 2017

Soriano J, Mora-Espí I, Alea-Reyes ME, Pérez-García L, Barrios L, Ibáñez E, Nogués C.

Cell death mechanisms in Tumoral and Non-Tumoral human cell lines triggered by photodynamic treatments: Apoptosis, necrosis and parthanatos. *Scientific Reports*, 7, art. no. 41340 - 2017

Wojcik A, Oestreicher U, Barrios L, Vral A, Terzoudi G, Ainsbury E, Rothkamm K, Trompier F, Kulka U.

The RENEB operational basis: complement of established biodosimetric assays. *International Journal of Radiation Biology*, 93 (1), pp. 15-19 - 2017

Gregoire E, Ainsbury L, Barrios L, Bassinet C, Fattibene P, Kulka U, Oestreicher U, Pantelias G, Terzoudi G, Trompier F, Voisin P, Vral A, Wojcik A, Roy L

The harmonization process to set up and maintain an operational biological and physical retrospective dosimetry network: QA QM applied to the RENEB network. *International Journal of Radiation Biology*, 93 (1), pp. 81-86 - 2017

Barquinero JF, Beinke C, Borràs M, Buraczewska I, Darroudi F, Gregoire E, Hristova R, Kulka U, Lindholm C, Moreno M, Moquet J, Oestreicher U, Prieto MJ, Pujol M, Ricoul M, Sabatier L, Sommer S, Sun M, Wojcik A, Barrios L.

RENEB biodosimetry intercomparison analyzing translocations by FISH. *International Journal of Radiation Biology*, 93 (1), pp. 30-35 - 2017

Ainsbury EA, Higuera M, Puig P, Einbeck J, Samaga D, Barquinero JF, Barrios L, Brzozowska B, Fattibene P, Gregoire E, Jaworska A, Lloyd D, Oestreicher U, Romm H, Rothkamm K, Roy L, Sommer S, Terzoudi G, Thierens H, Trompier F, Vral A, Woda C.

Uncertainty of fast biological radiation dose assessment for emergency response scenarios.

International Journal of Radiation Biology, 93 (1), pp. 127-135 - 2017

Trompier F, Baumann M, Barrios L, Gregoire E, Abend M, Ainsbury E, Barnard S, Barquinero JF, Bautista JA, Brzozowska B, Perez-Calatayud J, De Angelis C, Domínguez I, Hadjidekova V, Kulka U, Mateos JC, Meschini R, Monteiro Gil O, Moquet J, Oestreicher U, Montoro Pastor A, Quintens R, Sebastià N, Sommer S, Stoyanov O, Thierens H, Terzoudi G, Villaescusa JI, Vral A, Wojcik A, Zafiroopoulos D, Roy L.

Investigation of the influence of calibration practices on cytogenetic laboratory performance for dose estimation.

International Journal of Radiation Biology, 93 (1), pp. 118-126 - 2017

Romm H, Ainsbury EA, Barquinero JF, Barrios L, Beinke C, Cucu A, Domene MM, Filippi S, Monteiro Gil O, Gregoire E, Hadjidekova V, Hatzi V, Lindholm C, M'kacher R, Montoro A, Moquet J, Noditi M, Oestreicher U, Palitti F, Pantelias G, Prieto MJ, Popescu I, Rothkamm K, Sebastià N, Sommer S, Terzoudi G, Testa A, Wojcik A.

Web based scoring is useful for validation and harmonisation of scoring criteria within RENE B

International Journal of Radiation Biology, 93 (1), pp. 110-117 - 2017

Oestreicher U, Samaga D, Ainsbury E, Antunes AC, Baeyens A, Barrios L, Beinke C, Beukes P, Blakely WF, Cucu A, De Amicis A, Depuydt J, De Sanctis S, Di Giorgio M, Dobos K, Dominguez I, Duy PN, Espinoza ME, Flegal FN, Figel M, Garcia O, Monteiro Gil O, Gregoire E, Guerrero-Carbajal C, Güçlü İ, Hadjidekova V, Hande P, Kulka U, Lemon J, Lindholm C, Lista F, Lumniczky K, Martinez-Lopez W, Maznyk N, Meschini R, M'kacher R, Montoro A, Moquet J, Moreno M, Noditi M, Pajic J, Radl A, Ricoul M, Romm H, Roy L, Sabatier L, Sebastià N, Slabbert J, Sommer S, Stuck Oliveira M, Subramanian U, Suto Y, Que T, Testa A, Terzoudi G, Vral A, Wilkins R, Yanti L, Zafiroopoulos D, Wojcik A.

RENEB intercomparisons applying the conventional Dicentric Chromosome Assay (DCA).

International Journal of Radiation Biology, 93 (1), pp. 20-29 - 2017

Brzozowska B, Ainsbury E, Baert A, Beaton-Green L, Barrios L, Barquinero JF, Bassinet C, Beinke C, Benedek A, Beukes P, Bortolin E, Buraczewska I, Burbidge C, De Amicis A, De Angelis C, Della Monaca S, Depuydt J, De Sanctis S, Dobos K, Domene MM, Domínguez I, Facco E, Fattibene P, Frenzel M, Monteiro Gil O, Gonon G, Gregoire E, Gruel G, Hadjidekova V, Hatzi VI, Hristova R, Jaworska A, Kis E, Kowalska M, Kulka U, Lista F, Lumniczky K, Martínez-López W, Meschini R, Moertl S, Moquet J, Noditi M, Oestreicher U, Orta Vázquez ML, Palma V, Pantelias G, Montoro Pastor A, Patrono C, Piqueret-Stephan L, Quattrini MC, Regalbuto E, Ricoul M, Roch-Lefevre S, Roy L, Sabatier L, Sarchiapone L, Sebastià N, Sommer S, Sun M, Suto Y, Terzoudi G, Trompier F, Vral A, Wilkins R, Zafiroopoulos D, Wieser A, Woda C, Wojcik A.

RENEB accident simulation exercise.

International Journal of Radiation Biology, 93 (1), pp. 75-80 - 2017

Kulka U, Abend M, Ainsbury E, Badie C, Barquinero JF, Barrios L, Beinke C, Bortolin E, Cucu A, De Amicis A, Domínguez I, Fattibene P, Frøvig AM, Gregoire E, Guogyte K, Hadjidekova V, Jaworska A, Kriehuber R, Lindholm C, Lloyd D, Lumniczky K, Lyng F, Meschini R, Mörtl S, Della Monaca S, Monteiro Gil O, Montoro A, Moquet J, Moreno M, Oestreicher U, Palitti F, Pantelias G, Patrono C, Piqueret-Stephan L, Port M, Prieto MJ, Quintens R, Ricoul M, Romm H, Roy L, Sáfrány G, Sabatier L, Sebastia N, Sommer S, Terzoudi G, Testa A, Thierens H, Turai I, Trompier F, Valente M, Vaz P, Voisin P, Vral A, Woda C, Zafiropoulos D, Wojcik A.

RENEB—Running the European Network of biological dosimetry and physical retrospective dosimetry.

International Journal of Radiation Biology, 93 (1), pp. 2-14 - 2017

Ainsbury E, Badie C, Barnard S, Manning G, Moquet J, Abend M, Antunes AC, Barrios L, Bassinet C, Beinke C, Bortolin E, Bossin L, Bricknell C, Brzoska K, Buraczewska I, Castaño CH, Čemusová Z, Christiansson M, Cordero SM, Cosler G, Monaca SD, Desangles F, Discher M, Dominguez I, Doucha-Senf S, Eakins J, Fattibene P, Filippi S, Frenzel M, Georgieva D, Gregoire E, Guogyte K, Hadjidekova V, Hadjiiska L, Hristova R, Karakosta M, Kis E, Kriehuber R, Lee J, Lloyd D, Lumniczky K, Lyng F, Macaeva E, Majewski M, Vanda Martins S, McKeever SWS, Meade A, Medipally D, Meschini R, M'kacher R, Gil OM, Montero A, Moreno M, Noditi M, Oestreicher U, Oskamp D, Palitti F, Palma V, Pantelias G, Pateux J, Patrono C, Pepe G, Port M, Prieto MJ, Quattrini MC, Quintens R, Ricoul M, Roy L, Sabatier L, Sebastia N, Sholom S, Sommer S, Staynova A, Strunz S, Terzoudi G, Testa A, Trompier F, Valente M, Hoey OV, Veronese I, Wojcik A, Woda C.

Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans—joint RENEB and EURADOS inter-laboratory comparisons.

International Journal of Radiation Biology, 93 (1), pp. 99-109 – 2017

Feng YP, Gaztelumendi N, Fornell J, Zhang HY, Solsona P, Baró MD, Suriñach S, Ibáñez E, Barrios L, Pellicer E, Nogués C, Sort J.

Mechanical properties, corrosion performance and cell viability studies on newly developed porous Fe-Mn-Si-Pd alloys
Journal of Alloys and Compounds, 724, pp. 1046-1056 - 2017

Camprubí C, Cigliano RA, Salas-Huetos A, Garrido N, Blanco J.

What the human sperm methylome tells us.
Epigenomics, 9 (10), pp. 1299-1315 - 2017

Edifizi D, Nolte H, Babu V, Castells-Roca L, Mueller MM, Brodesser S, Krüger M, Schumacher B.

Multilayered Reprogramming in Response to Persistent DNA Damage in *C. Elegans*.
Cell Reports, 20 (9), pp. 2026-2043 - 2017

Montón H, Medina-Sánchez M, Soler JA, Chalupniak A, Nogués C, Merkoçi A.

Rapid on-chip apoptosis assay on human carcinoma cells based on annexin-V/quantum dot probes.

Biosensors and Bioelectronics, 94, pp. 408-414 - 2017

Vila-Cejudo M, Ibañez E, Santalo J.

Derivation of Stem Cell Lines from Mouse Preimplantation Embryos.

Journal of visualized experiments : JoVE, (126), e56171 - 2017

Solé M, Blanco J, Valero O, Vergés L, Vidal F, Sarrate Z.

Altered bivalent positioning in metaphase I human spermatocytes from Robertsonian translocation carriers.

Journal of Assisted Reproduction and Genetics, 34 (1), pp. 131-138 - 2017

Mateo S, Vidal F, Parriego M, Rodríguez I, Montalvo V, Veiga A, Boada M.

Could monopronucleated ICSI zygotes be considered for transfer? Analysis through time-lapse monitoring and PGS.

Journal of Assisted Reproduction and Genetics, 34 (7), pp. 905-911 - 2017

Esbert M, Godo A, Soares SR, Florensa M, Amorós D, Ballesteros A, Vidal F.
Spermatozoa with numerical chromosomal abnormalities are more prone to be retained by Annexin V-MACS columns.
Andrology, 5 (4), pp. 807-813 - 2017

Vergés L, Vidal F, Geán E, Alemany-Schmidt A, Oliver-Bonet M, Blanco J.
An exploratory study of predisposing genetic factors for DiGeorge/velocardiofacial syndrome.
Scientific Reports, 7, art. no. 40031-2017

López Baroni M J, Marfany G, De Lecuona I, Corcoy M, Boada M, Royes A, Santaló J, Casado M.
La edición genómica aplicada a seres humanos: aspectos éticos, jurídicos y sociales. Revista de Derecho y Genoma Humano. Genética, Biotecnología y Medicina Avanzada / Law and the Human Genome Review. Genetics, Biotechnology and Advanced Medicine: 46, 317-340 - 2017

2017

Camprubí C, Cigliano RA, Salas-Huetos A, Garrido N, Blanco J.
What the human sperm methylome tells us.
Epigenomics, 9 (10), pp. 1299-1315 - 2017

Torabi K, Wangsa D, Ponsa I, Brown M, Bosch A, Vila-Casadesús M, Karpova TS, Calvo M, Castells A, Miró R, Ried T, Camps J.
Transcription-dependent radial distribution of TCF7L2 regulated genes in chromosome territories.
Chromosoma, 126 (5), pp. 655-667 - 2017

Seaman L, Chen H, Brown M, Wangsa D, Patterson G, Camps J, Omenn GS, Ried T, Rajapakse I.
Nucleome analysis reveals structure-function relationships for colon cancer.
Molecular Cancer Research, 15 (7), pp. 821-830 - 2017

Vergés L, Vidal F, Geán E, Alemany-Schmidt A, Oliver-Bonet M, Blanco J.
An exploratory study of predisposing genetic factors for DiGeorge/velocardiofacial syndrome
Scientific Reports, 7, art. no. 40031 - 2017

Castells-Sarret N, Cueto-González AM, Borregan M, López-Grondona F, Miró R, Tizzano E, Plaja A.
Comparative genomic hybridisation as a first option in genetic diagnosis: 1,000 cases and a cost-benefit analysis.
Anales de Pediatría, . Article in Press - 2017

Navarro A, Clot G, Martínez-Trillos A, Pinyol M, Jares P, González-Farré B,

Martínez D, Trim N, Fernández V, Villamor N, Colomer D, Costa D, Salaverria I, Martín-Garcia D, Erber W, López C, Jayne S, Siebert R, Dyer MJS, Wiestner A, Wilson WH, Aymerich M, López-Guillermo A, Sánchez À, Campo E, Matutes E, Beà S.
Improved classification of leukemic B-cell lymphoproliferative disorders using a transcriptional and genetic classifier.
Haematologica, 102 (9), pp. 360-363 3 2017

Schmidt J, Ramis-Zaldivar JE, Nadeu F, Gonzalez-Farre B, Navarro A, Egan C, Montes-Mojarro IA, Marafioti T, Cabeçadas J, Van Der Walt J, Dojcinov S, Rosenwald A, Ott G, Bonzheim I, Fend F, Campo E, Jaffe ES, Salaverria I, Quintanilla-Martinez, L.
Mutations of MAP2K1 are frequent in pediatric-type follicular lymphoma and result in ERK pathway activation.
Blood, 130 (3), pp. 323-327 - 2017

Carreras J, Kikuti YY, Beà S, Miyaoka M, Hiraiwa S, Ikoma H, Nagao R, Tomita S, Martin-Garcia D, Salaverria I, Sato A, Ichiki A, Roncador G, Garcia JF, Ando K, Campo E, Nakamura N.
Clinicopathological characteristics and genomic profile of primary sinonasal tract diffuse large B cell lymphoma (DLBCL) reveals gain at 1q31 and RGS1 encoding protein; high RGS1 immunohistochemical expression associates with poor overall survival in DLBCL not otherwise specified (NOS).
Histopathology, 70 (4), pp. 595-621 - 2017

**Colomo L, Vazquez I, Papaleo N,
Espinete B, Ferrer A, Franco C,
Comerma L, Hernandez S, Calvo X,
Salar A, Climent F, Mate JL, Forcada
P, Mozos A, Nonell L, Martinez A,
Carrio A, Costa D, Diouhy I,
Salaverria I, Martin-Subero JI, Lopez-
Guillermo A, Valera A, Campo E.**
LMO2-negative Expression Predicts the
Presence of MYC Translocations in
Aggressive B-Cell Lymphomas.
American Journal of Surgical
Pathology, 41 (7), pp. 877-886 - 2017

2017

Rodríguez-Vázquez L, Martí J.

Effects of Hydroxyurea Exposure on the Rat Cerebellar Neuroepithelium: an Immunohistochemical and Electron Microscopic Study Along the Anteroposterior and Mediolateral Axes. *Neurotoxicity Research*, 32 (4), pp. 671-682 - 2017

Molina V, Rodríguez-Vázquez L, Owen D, Valero O, Martí J.

Cell cycle analysis in the rat external granular layer evaluated by several bromodeoxyuridine immunoperoxidase staining protocols. *Histochemistry and Cell Biology*, 148 (5), pp. 477-488 – 2017

Capdevila C, Rodríguez Vázquez L, Martí J.

Glioblastoma Multiforme and Adult Neurogenesis in the Ventricular-Subventricular Zone: A Review. *Journal of Cellular Physiology*, 232 (7), pp. 1596-1601 – 2017.

Martí J, Molina V, Santa-Cruz MC, Hervás JP.

Developmental Injury to the Cerebellar Cortex Following Hydroxyurea Treatment in Early Postnatal Life: An Immunohistochemical and Electron Microscopic Study. *Neurotoxicity Research*, 31 (2), pp. 187-203 - 2017

Esquerda-Canals G, Martí-Ciúa J, Roda AR, Villegas S.

An Intracellular Amyloid- β /A β PP Epitope Correlates with Neurodegeneration in those Neuronal Populations Early Involved in Alzheimer's Disease. *Journal of Alzheimer's Disease*, 59 (3), pp. 1079-1096 – 2017.

Montoliu-Gaya L, Esquerda-Canals G, Bronsoms S, Villegas S.

Production of an anti-A β antibody fragment in *Pichia pastoris* and in vitro and in vivo validation of its therapeutic effect. *PLoS ONE*, 12 (8), art. no. e0181480 - 2017

Esquerda-Canals G, Montoliu-Gaya L, Güell-Bosch J, Villegas S.

Mouse Models of Alzheimer's Disease. *Journal of Alzheimer's Disease*, 57 (4), pp. 1171-1183 - 2017

Marcet-Ortega M, Pacheco S, Martínez-Marchal A, Castillo H, Flores E, Jasin M, Keeney S, Roig I.

p53 and TAp63 participate in the recombination-dependent pachytene arrest in mouse spermatocytes. *PLoS Genetics*, 13 (6), art. no. e1006845 - 2017

Bayés A, Collins MO, Reig-Viader R, Gou G, Goulding D, Izquierdo A, Choudhary JS, Emes RD, Grant SGN.

Evolution of complexity in the zebrafish synapse proteome. *Nature Communications*, 8, art. no. 14613 – 2017.

Reig-Viader R, Bayés À.

Quantitative in-depth profiling of the postsynaptic density proteome to understand the molecular mechanisms governing synaptic physiology and pathology.

Neuromethods, 127, pp. 255-280 - 2017

Reig-Viader R, Sindreu C, Bayés À.

Synaptic proteomics as a means to identify the molecular basis of mental illness: Are we getting there?

Progress in Neuro-Psychopharmacology and Biological Psychiatry, . Article in Press. - 2017

Ruiz-Herrera A, Vozdova M, Fernández J, Sebestova H, Capilla L, Frohlich J, Vara C, Hernández-Marsal A, Sipek J, Robinson TJ, Rubes J.

Recombination correlates with synaptonemal complex length and chromatin loop size in bovids—insights into mammalian meiotic chromosomal Organization.

Chromosoma, 126 (5), pp. 615-631 - 2017

Capilla L, Garcia Caldés M, Ruiz-Herrera A.

Mammalian Meiotic Recombination: A Toolbox for Genome Evolution.

Cytogenetic and Genome Research, 150 (1), pp. 1-16 - 2017

Vicente-Salvador D, Puig M, Gayà-Vidal M, Pacheco S, Giner-Delgado C, Noguera I, Izquierdo D, Martínez-Fundichely A, Ruiz-Herrera A, Estivill X, Aguado C, Lucas-Lledó JI, Cáceres M.

Detailed analysis of inversions predicted between two human genomes: Errors, real polymorphisms, and their origin and population Distribution.

Human Molecular Genetics, 26 (3), pp. 567-581 - 2017

Martín-Estebané M, Navascués J, Sierra-Martín A, Martín-Guerrero SM, Cuadros MA, Carrasco M-C, Marín-Teva JL.

Onset of microglial entry into developing quail retina coincides with increased expression of active caspase-3 and is mediated by extracellular ATP and UDP

PLoS ONE, 12 (8), art. no. e0182450 - 2017

2017

Comes G, Manso Y, Escrig A, Fernandez-Gayol O, Sanchis P, Molinero A, Giralt M, Carrasco J, Hidalgo J. Influence of transgenic metallothionein-1 on gliosis, CA1 neuronal loss and brain metal levels of the Tg2576 mouse model of Alzheimer disease. *Int J Mol Sci.* **18**, 251, 2017.

Molinero A, Fernandez-Perez A, Mogas A, Giralt M, Comes G, Fernandez-Gayol O, Vallejo M, Hidalgo J. Role of muscle IL-6 in gender-specific metabolism in mice. *PLoS One* **12**, e0173675. 2017.

Heink S, Yogev N, Garbers C, Herwerth M, Aly L, Gasperi C, Husterer V, Croxford AL, Möller-Hackbarth K, Bartsch HS, Sotlar K, Krebs S, Regen T, Blum H, Hemmer B, Misgeld T, Wunderlich TF, Hidalgo J, Oukka M, Rose-John S, Schmidt-Supprian M, Waisman A, Korn T. Trans-presentation of IL-6 by dendritic cells is required for the priming of pathogenic TH17 cells. *Nat Immunol.* **18**, 74-85, 2017.

Montalvo I, Nadal R, Armario A, Gutiérrez-Zotes A, Creus, M, Cabezas Á, Solé M, Algora MJ, Sánchez-Gistau V, Vilella E, Labad J.

Sex differences in the relationship between prolactin levels and impaired processing speed in early psychosis
Australian and New Zealand Journal of Psychiatry, . Article in Press. 2017

Gagliano H, Ortega-Sanchez JA, Nadal R, Armario A.

Psychostimulants and forced swim stress interaction: how activation of the hypothalamic-pituitary-adrenal axis and stress-induced hyperglycemia are affected

Psychopharmacology, **234** (19), pp. 2859-2869, 2017.

Garzón-Rey JM, Arza A, de la Cámara C, Lobo A, Armario A, Aguiló J.

An approach to an acute emotional stress reference scale [Aproximación a una escala de referencia de esters emocional agudo]
Revista de Neurologia, **64** (12), pp. 529-537, 2017.

Corominas-Roso M, Armario A, Palomar G, Corrales M, Carrasco J, Richarte V, Ferrer R, Casas M, Ramos-Quiroga JA

IL-6 and TNF- α in unmedicated adults with ADHD: Relationship to cortisol awakening response
Psychoneuroendocrinology, **79**, pp. 67-73, 2017.

Sanchís-Ollé M, Ortega-Sánchez JA, Belda X, Gagliano H, Nadal R, Armario A.

Lithium-induced malaise does not interfere with adaptation of the hypothalamic-pituitary-adrenal axis to stress
Progress in Neuro-Psychopharmacology and Biological Psychiatry, **75**, pp. 77-83, 2017.

Gutiérrez-Sacristán A, Bravo À, Portero-Tresserra M, Valverde O, Armario A, Blanco-Gandía MC, Farré A, Fernández-Ibarrondo L, Fonseca F, Giraldo J, Leis A, Mané A, Mayer MA, Montagud-Romero S, Nadal R, Ortiz J, Pavon FJ, Perez EJ, Rodríguez-Arias M, Serrano A, Torrens M, Warnault V, Sanz F, Furlong LI

Text mining and expert curation to develop a database on psychiatric diseases and their genes

Database : the journal of biological databases and curation, 2017, .

Oliveira M, Franco L, Balasch JC, Fierro-Castro C, Tvarijonaviciute A, Soares AMVM, Tort L, Teles M.

Tools to assess effects of human pharmaceuticals in fish: A case study with gemfibrozil

Ecological Indicators, . Article in Press. 2017

Molinero A, Fernandez-Perez A, Mogas A, Giralt M, Comes G, Fernandez-Gayol O, Vallejo M, Hidalgo J.

Role of muscle IL-6 in gender-specific metabolism in mice

PLoS ONE, 12 (3), art. no. 0173675, 2017.

Comes G, Manso Y, Escrig A, Fernandez-Gayol O, Sanchis P, Molinero A, Giralt M, Carrasco J, Hidalgo J.

Influence of transgenic metallothionein-1 on gliosis, ca1 neuronal loss, and brain metal levels of the tg2576 mouse model of alzheimer's disease

International Journal of Molecular Sciences, 18 (2), art. no. 251, 2017.

Azeredo R, Machado M, Afonso A, Fierro-Castro C, Reyes-López FE, Tort L, Gesto M, Conde-Sieira M, Míguez JM, Soengas JL, Kreuz E, Wuertz S, Peres H., Oliva-Teles A, Costas B.

Neuroendocrine and immune responses undertake different fates following tryptophan or methionine dietary treatment: Tales from a teleost model

Frontiers in Immunology, 8 (SEP), art. no. 1226, 2017.

Castro-López J, Teles M, Fierro C, Allenspach K, Planellas M, Pastor J.

Pilot study: duodenal MDR1 and COX2 gene expression in cats with inflammatory bowel disease and low-grade alimentary lymphoma

Journal of Feline Medicine and Surgery, . Article in Press, 2017.

Doux fils J, Fierro-Castro C, Mandiki SNM, Emile W, Tort L, Kestemont, P.

Dietary β -glucans differentially modulate immune and stress-related gene expression in lymphoid organs from healthy and *Aeromonas hydrophila*-infected rainbow trout (*Oncorhynchus mykiss*)

Fish and Shellfish Immunology, 63, pp. 285-296, 2017.

Colom-Cadena M, Grau-Rivera O, Planellas L, Cerquera C, Morenas E, Helgueta S, Munoz L, Kulisevsky J, Marti MJ, Tolosa E, Clarimon J, Lleo A, Gelpi E.

Regional overlap of pathologies in lewy body disorders

Journal of Neuropathology and Experimental Neurology, 76 (3), pp. 216-224, 2017.

Guirao V, Martí-Sistac O, DeGregorio-Rocasolano N, Ponce J, Dávalos A, Gasull T.

Specific rescue by ortho-hydroxy atorvastatin of cortical GABAergic neurons from previous oxygen/glucose deprivation: role of pCREB

Journal of Neurochemistry, 143 (3), pp. 359-374, 2017.

Martínez-Vargas J, Muñoz-Muñoz F, Martínez-Maza C, Molinero A, Ventura, J.

Postnatal mandible growth in wild and laboratory mice: Differences revealed from bone remodeling patterns and geometric morphometrics

Journal of Morphology, 278 (8), pp. 1058-1074, 2017.

Chen B, Hui J, Montgomery KS, Gella A, Bolea I, Sanz E, Palmiter RD, Quintana A.

Loss of mitochondrial Ndufs4 in striatal medium spiny neurons mediates progressive motor impairment in a mouse model of leigh syndrome

Frontiers in Molecular Neuroscience, 10, art. no. 265, 2017.

Rainwater A, Sanz E, Palmiter RD, Quintana A.

Striatal GPR88 modulates foraging efficiency

Journal of Neuroscience, 37 (33), pp. 7939-7947, 2017.

Khuyen TD, Mandiki SNM, Cornet V, Douxfils J, Betoulle S, Bossier P, Reyes-López FE, Tort L, Kestemont P.

Physiological and immune response of juvenile rainbow trout to dietary bovine lactoferrin
Fish and Shellfish Immunology, 71, pp. 359-371, 2017.

Khansari AR, Parra D, Reyes-López FE, Tort L.

Modulatory in vitro effect of stress hormones on the cytokine response of rainbow trout and gilthead sea bream head kidney stimulated with *Vibrio anguillarum* bacterin
Fish and Shellfish Immunology, 70, pp. 736-749, 2017.

Khansari AR, Parra D, Reyes-López FE, Tort L.

Cytokine modulation by stress hormones and antagonist specific hormonal inhibition in rainbow trout (*Oncorhynchus mykiss*) and gilthead sea bream (*Sparus aurata*) head kidney primary cell culture
General and Comparative Endocrinology, 250, pp. 122-135, 2017.

Schaeck M, Reyes-López FE, Vallejos-Vidal E, Van Cleemput J, Duchateau L, Van den Broeck W, Tort L, Decostere A.

Cellular and transcriptomic response to treatment with the probiotic candidate *Vibrio lentus* in gnotobiotic sea bass (*Dicentrarchus labrax*) larvae
Fish and Shellfish Immunology, 63, pp. 147-156, 2017.

Benítez-Dorta V, Caballero MJ, Betancor MB, Manchado M, Tort L, Torrecillas S, Zamorano MJ, Izquierdo M, Montero D.

Effects of thermal stress on the expression of glucocorticoid receptor complex linked genes in Senegalese sole (*Solea senegalensis*): Acute and adaptive stress responses
General and Comparative Endocrinology, 252, pp. 173-185, 2017.

Teles M, Soares AMVM, Tort L, Guimarães L, Oliveira M.

Linking cortisol response with gene expression in fish exposed to gold nanoparticles
Science of the Total Environment, 584-585, pp. 1004-1011, 2017.

Boltaña S, Castellana B, Goetz G, Tort L, Teles M, Mulero V, Novoa B, Figueras A, Goetz FW, Gallardo-Escarate C, Planas JV, Mackenzie S.

Extending immunological profiling in the gilthead sea bream, *sparus aurata*, by enriched cDNA library analysis, microarray design and initial studies upon the inflammatory response to PAMPs
International Journal of Molecular Sciences, 18 (2), art. no. 317, 2017.

Oliveira M, Tvarijonaviciute A, Trindade T, Soares AMVM, Tort L, Teles M.

Can non-invasive methods be used to assess effects of nanoparticles in fish?
Ecological Indicators, . Article in Press, 2017.

Pinanong Na-Phatthalung, Teles M, Supayang Piyawan Voravuthikunchai, Tort L, Fierro-Castro C.

Immunomodulatory effects of *Rhodomyrtus tomentosa* leaf extract and its derivative compound, rhodomyrtone, on head kidney macrophages of rainbow trout (*Oncorhynchus mykiss*).
Fish Physiology and Biochemistry, 44(2), 543-555, 2017.

Khansari AR, Balasch JC, Reyes-López FE, Tort L

Stressing the Inflammatory Network: Immuno-endocrine Responses to Allostatic Load in Fish. *J. Mar. Sci. Res. and Technol.* 1: 2-15, 2017.

Cortés R, Teles M, Oliveira M, Fierro-Castro C, Tort L, Cerdá-Reverter JM

Effects of acute handling stress on short-term central expression of orexigenic/anorexigenic genes in zebrafish.
Fish Physiol. Biochem. 44:257-262, 2017.

2017

Santos D, Wieringa P, Moroni L, Navarro X, del Valle J.

PEOT/PBT guides enhance nerve regeneration in long gap defects. *Adv Healthcare Mater*, 6(3):1600298. (IF 5.76), 2017.

Arbat-Plana A, Cobianchi S, Herrando-Grabulosa M, Navarro X, Udina E.

Endogenous modulation of TrkB signaling by treadmill exercise after peripheral nerve injury. *Neuroscience*, 340 (6): 188–200. (IF 3.231), 2017.

Gonzalez-Perez F, Cobianchi S, Heimann C, Phillips JB, Udina E, Navarro X.

Stabilization, rolling and addition of other extracellular matrix proteins to collagen hydrogels improves regeneration in chitosan guides for long peripheral nerve gaps in rats. *Neurosurgery*, 80:465-474, 2017.

Soler MD, Moriña D, Rodríguez N, Saurí J, Vidal J, Navarro A, Navarro X.

Sensory symptom profiles of patients with neuropathic pain after spinal cord injury. *Clin J Pain*, 33:827-834. (IF 2.712), 2017.

Santos D, González-Pérez F, Giudetti G, Micera S, Udina E, Del Valle J, Navarro X.

Preferential enhancement of sensory and motor axon regeneration by combining extracellular matrix components with neurotrophic factors. *Int J Mol Sci* 2017; 18(1):65. (IF 3.257)

Wurth S, Capogrosso M, Raspopovic S, Gandar J, Federici G, Kinany N, Cutrone A, Piersigilli A, Pavlova N, Guiet R, Taverni G, Rigosa J, Shkorbatova P, Navarro X, Barraud Q, Courtine G, Micera S.

Long-term usability and bio-integration of polyimide-based intra-neural stimulating electrodes. *Biomaterials*, 122:114-129. (IF 8.387), 2017.

Mancuso R, Navarro X. Sigma-1 receptor in motoneuron disease. *Adv Exp Med Biol*, 964:235-254, 2017.**Udina E, Putman CT, Harris LR, Tyreman N, Cook VE, Gordon T.**

Compensatory axon sprouting for very slow axonal die-back in a transgenic model of spinal muscular atrophy type III. *J Physiol*, 595:1815-1829, 2017.

Casas C.

GRP78 at the centre of the stage in cancer and neuroprotection. *Front Neurosci*, 11:177. (3.398), 2017.

Cobianchi S, Arbat-Plana A, López-Álvarez VM, Navarro X.

Neuroprotective effects of exercise treatments after injury: the dual role of neurotrophic factors. *Curr Neuropharmacol*, 15: 495-518. (3.753), 2017.

Delgado-Martínez I, Righi M, Santos D, Cutrone A, Bossi S, D'Amico S, Del Valle J, Micera S, Navarro X.

Fascicular nerve stimulation and recording using a novel double-aisle regenerative electrode. *J Neural Eng*, 14(4): 046003. (IF 3.493), 2017.

Cobianchi S, Jaramillo J, Luvisetto S, Pavone F, Navarro X.

Botulinum neurotoxin A promotes functional recovery after peripheral nerve injury by increasing regeneration of myelinated fibers. *Neuroscience*, 359:82-91. (IF 3.231), 2017.

Romeo-Guitart D, Forés J, Navarro X, Casas C.

Boosted regeneration and reduced denervated muscle atrophy by Neuroheal in a pre-clinical model of lumbar root avulsion with delayed reimplantation. *Sci Rep*; 7(1):12028, 2017.

Velasco R, Navarro X, Gil-Gil M, Herrando-Grabulosa M, Calls A, Bruna J.

Neuropathic pain and nerve growth factor in chemotherapy-induced peripheral neuropathy: prospective clinical-pathological study. *J Pain Symptom Management*; 54(6):815-825, 2017.

Mueller M, de la Oliva N, del Valle J, Delgado I, Navarro X, Stieglitz T.

Rapid prototyping of flexible intrafascicular electrode arrays by picosecond laser structuring. *J Neural Eng*, 14(6):066016. (IF 3.493), 2017.

Bisoni L, Carboni C, Puddu R, Barabino G, Pani D, Raffo L, Mueller M, Stieglitz T, Del Valle J, de la Oliva N, Delgado-Martinez I, Navarro X, Barbaro M.

A 64-channels neural interface for biopotentials recording and PNS stimulation. *Conf Proc IEEE Eng Med Biol Soc.*; 2017:1938-1941, 2017.

Francos-Quijorna I, Santos-Nogueira E, Gronert, Sullivan AB, Kopp MA, Brommer B, David S, Schwab JM, Lopez-Vales R . Maresin 1 promotes inflammatory resolution, neuroprotection and functional neurological recovery after spinal cord injury. *J Neurosci* 2017, 37:11731–11743 (IF 5.988), 2017.

Arbat-Plana A, Navarro X, Udina E.

Effects of forced, passive and voluntary exercise on spinal motoneurons changes after peripheral nerve injury. *Eur J Neurosci*, 46: 2885-2892, 2017.

Argyriou AA, Bruna J, Genazzani AA, Cavaletti G.

Chemotherapy-induced peripheral neurotoxicity: management informed by pharmacogenetics. *Nat Rev Neurol*; 13:492-504, 2017.

M.A. Manzanares, C. de Miguel, M.C. Ruiz de Villa, M, R. Santella, E. Escrich, M. Solanas.

Dietary lipids differentially modulate the initiation of experimental breast carcinogenesis through their influence on hepatic xenobiotic metabolism and dna damage in the mammary gland. *Journal of Nutritional Biochemistry*, 43, 68–77, 2017.

2017

Jimenez, M.

Is the muscular tone of the internal anal sphincter a property of the syncytium? *J Physiol*, **595**, 1853-1854, 2017

Jimenez M, Gil V, Martinez-Cutillas

M, Mane N & Gallego D. Hydrogen sulphide as a signalling molecule regulating physiopathological processes in gastrointestinal motility. *Br J Pharmacol*, **174**, 2805-2817, 2017.

Aller MA, Arias N, Martínez V,

Vergara P, Arias J. The gestational power of mast cells in the injured tissue. *Inflamm Res*. 2018 Feb;67(2):111-116. doi: 10.1007/s00011-017-1108-5. Epub 2017 Nov 3. PubMed PMID: 29101413, 2017.

2017

Petković, F., Campbell, I.L., Gonzalez, B., Castellano, B.

Reduced cuprizone-induced cerebellar demyelination in mice with astrocyte-targeted production of IL-6 is associated with chronically activated, but less responsive microglia

(2017) *Journal of Neuroimmunology*, 310, pp. 97-102.

2017

Franco-Jarava C, Comas D, Orren A, Hernández-González M, Colobran R. Complement factor 5 (C5) p.A252T mutation is prevalent in, but not restricted to, sub-Saharan Africa: implications for the susceptibility to meningococcal disease
Clinical and Experimental Immunology, 189 (2), pp. 226-231, 2017.

Franco-Jarava C, Álvarez de la Campa E, Solanich X, Morandeira-Rego F, Mas-Bosch V, García-Prat M, de la Cruz X, Martín-Nalda A, Soler-Palacín P, Hernández-González M, Colobran R. Early Versus Late Diagnosis of Complement Factor I Deficiency: Clinical Consequences Illustrated in Two Families with Novel Homozygous CFI Mutations
Journal of Clinical Immunology, 37 (8), pp. 781-789, 2017.

Gieras A, Gehbauer C, Perna-Barrull D, Engler JB, Diepenbruck I, Glau L, Joosse SA, Kersten N, Klinge S, Mittrücker HW, Friese MA, Vives-Pi M, Tolosa E. Prenatal Administration of Betamethasone Causes Changes in the T Cell Receptor Repertoire Influencing Development of Autoimmunity.
Front Immunol. 13;8:1505. - 2017

Tsuchida C, Sakuramoto-Tsuchida S, Taked M, Itaya-Hironaka A, Yamauchi A, Misu M, Shobatake R, Uchiyama T, Makino M, Pujol-Autonell I, Vives-Pi M, Ohbayashi C, Takasawa S.

Expression of *REG* family genes in human inflammatory bowel diseases and its regulation.
Biochem Biophys Rep. 2017 Oct 23;12:198-205. - 2017

Fonolleda M, Murillo M, Vázquez F, Bel J, Vives-Pi M. Remission Phase in Paediatric Type 1 Diabetes: New Understanding and Emerging Biomarkers.
Horm Res Paediatr.88(5):307-315 - 2017

Pujol-Autonell I, Mansilla MJ, Rodríguez-Fernandez S, Cano-Sarabia M, Navarro-Barriuso J, Ampudia RM, Rius A, Garcia-Jimeno S, Perna-Barrull D, Martínez-Caceres E, Maspoch D, Vives-Pi M. Liposome-based immunotherapy against autoimmune diseases: therapeutic effect on multiple sclerosis.
Nanomedicine 12(11):1231-1242 - 2017

Stojanovic I, Dimitrijevic M, Vives-Pi M, Mansilla MJ, Pujol-Autonell I, Rodríguez-Fernandez S, Palova-Jelinkova L, Funda DP, Gruden-Movsesijan A, Sofronic-Milosavljevic L, Hilken CMU, Martínez-Caceres E, Miljkovic D. Cell-based Tolerogenic Therapy, Experience from Animal Models of Multiple Sclerosis, Type 1 Diabetes and Rheumatoid Arthritis.
Curr Pharm Des. 23(18):2623-2643 - 2017

Casamayor-Genescà A, Pla A, Oliver-Vila I, Pujals-Fonts N, Marín-Gallén S, Caminal M, Pujol-Autonell I, Carrascal J, Vives-Pi M, Garcia J, Vives J.

Clinical-scale expansion of CD34+ cord blood cells amplifies committed progenitors and rapid scid repopulation cells.

N Biotechnol. 25;35:19-29 - 2017

Ten Brinke A, Marek-Trzonkowska N, Mansilla MJ, Turksma AW, Piekarska K, Iwaszkiewicz-Grześ D, Passerini L, Locafaro G, Puñet-Ortiz J, van Ham SM, Hernandez-Fuentes MP, Martínez-Cáceres EM, Gregori S.

Monitoring T-Cell Responses in Translational Studies: Optimization of Dye-Based Proliferation Assay for Evaluation of Antigen-Specific Responses.

Front Immunol. 21;8:1870 - 2017

Teniente-Serra A, Ramo-Tello C, Martinez-Caceres EM.

Immunomonitoring Lymphocyte Subpopulations in Multiple Sclerosis Patients.

In: Zagon IS, McLaughlin PJ, editors. Multiple Sclerosis: Perspectives in Treatment and Pathogenesis [Internet]. Brisbane (AU): Codon Publications. Chapter 9 - 2017

Duffy D, Rouilly V, Braudeau C, Corbière V, Djebali R, Ungeheuer MN, Josien R, LaBrie ST, Lantz O, Louis D, Martinez-Caceres E, Mascart F, Ruiz de Morales JG, Ottone C, Redjah L, Guen NS, Savenay A, Schmolz M, Toubert A, Albert ML;

Standardized whole blood stimulation improves immunomonitoring of induced

immune responses in multi-center study.

Multinational FOCIS Centers of Excellence.

Clin Immunol. 183:325-335 - 2017

Zuluaga P, Sanvisens A, Martínez-Cáceres E, Teniente A, Tor J, Muga R.

Over-expression of CD8+ T-cell activation is associated with decreased CD4+ cells in patients seeking treatment of Alcohol Use Disorder.

Drug Alcohol Depend. 1;180:7-13 - 2017

Carrascosa JM, Toro Montecinos M, Ballescá F, Teniente Serra A, Martínez Cáceres E, Ferrándiz C.

Correlation between trough serum levels of adalimumab and absolute PASI score in a series of patients with psoriasis.

J Dermatolog Treat.29(2):140-144 - 2017

Puñet-Ortiz J, Hervás-García JV, Teniente-Serra A, Cano-Orgaz A, Mansilla MJ, Quirant-Sánchez B, Navarro-Barriuso J, Fernández-Sanmartín MA, Presas-Rodríguez S, Ramo-Tello C, Martínez-Cáceres EM.

Monitoring CD49d Receptor Occupancy: A Method to Optimize and Personalize Natalizumab Therapy in Multiple Sclerosis Patients.

Cytometry B Clin Cytom. 2018 Mar;94(2):327-333 – 2017

Fernández-Codina A, Hernández-González M, Solans-Laqué R, Bujan-Rivas S, Vilardell-Tarrés M, Martínez-Valle F.

Alteration of IgG4 levels in cerebrospinal fluid in IgG4-related disease.

Int J Rheum Dis.20(11):1865-1867 – 2017

Monguió-Tortajada M, Roura S, Gálvez-Montón C, Franquesa M, Bayes-Genis A, Borràs FE.
Mesenchymal Stem Cells Induce Expression of CD73 in Human Monocytes *In Vitro* and in a Swine Model of Myocardial Infarction *In Vivo*.
Front Immunol. 20;8:1577 - 2017

Suárez H, Gámez-Valero A, Reyes R, López-Martín S, Rodríguez MJ, Carrascosa JL, Cabañas C, Borràs FE, Yáñez-Mó M.
A bead-assisted flow cytometry method for the semi-quantitative analysis of Extracellular Vesicles.
Sci Rep. 12;7(1):11271 - 2017

Luk F, Carreras-Planella L, Korevaar SS, de Witte SFH, Borràs FE, Betjes MGH, Baan CC, Hoogduijn MJ, Franquesa M.
Inflammatory Conditions Dictate the Effect of Mesenchymal Stem or Stromal Cells on B Cell Function.
Front Immunol. 28;8:1042 - 2017

Roura S, Gálvez-Montón C, de Gonzalo-Calvo D, Valero AG, Gastelurrutia P, Revuelta-López E, Prat-Vidal C, Soler-Botija C, Llucìa-Valldeperas A, Perea-Gil I, Iborra-Egea O, Borràs FE, Lupón J, Llorente-Cortés V, Bayes-Genis A.
Extracellular vesicles do not contribute to higher circulating levels of soluble LRP1 in idiopathic dilated cardiomyopathy.
J Cell Mol Med. 21(11):3000-3009 – 2017

Carreras-Planella L, Soler-Majoral J, Rubio-Esteve C, Lozano-Ramos SI, Franquesa M, Bonet J, Troya-Saborido MI, Borràs FE.

Characterization and proteomic profile of extracellular vesicles from peritoneal dialysis efflux.
PLoS One. 10;12(5):e0176987 - 2017

Evans-Osses I, Mojoli A, Monguió-Tortajada M, Marcilla A, Aran V, Amorim M, Inal J, Borràs FE, Ramirez MI.
Microvesicles released from *Giardia intestinalis* disturb host-pathogen response in vitro.
Eur J Cell Biol. 96(2):131-142 - 2017

Martín-Jaular L, de Menezes-Neto A, Monguió-Tortajada M, Elizalde-Torrent A, Díaz-Varela M, Fernández-Becerra C, Borràs FE, Montoya M, Del Portillo HA.
Corrigendum: Spleen-Dependent Immune Protection Elicited by CpG Adjuvanted Reticulocyte-Derived Exosomes from Malaria Infection Is Associated with Changes in T Cell Subsets' Distribution.
Front Cell Dev Biol. 4:153 – 2017

Monguió-Tortajada M, Roura S, Gálvez-Montón C, Pujal JM, Aran G, Sanjurjo L, Franquesa M, Sarrias MR, Bayes-Genis A, Borràs FE.
Nanosized UCMSC-derived extracellular vesicles but not conditioned medium exclusively inhibit the inflammatory response of stimulated T cells: implications for nanomedicine.
Theranostics. 7(2):270-284 – 2017

Palomo L, Fuster-Tormo F, Alvira D, Ademà V, Armengol MP, Gómez-Marzo P, de Haro N, Mallo M, Xicoy B, Zamora L, Solé F.

Inspecting Targeted Deep Sequencing of Whole Genome Amplified DNA Versus Fresh DNA for Somatic Mutation Detection: A Genetic Study in Myelodysplastic Syndrome Patients.
Biopreserv Biobank. 15(4):360-365 - 2017

Requena S, Treviño A, Cabezas T, Garcia-Delgado R, Amengual MJ, Lozano AB, Peñaranda M, Fernández JM, Soriano V, de Mendoza C;

Drug resistance mutations in HIV-2 patients failing raltegravir and influence on dolutegravir response.
Spanish HIV-2 Study Group.
J Antimicrob Chemother. 72(7):2083-2088 - 2017

de Mendoza C, Cabezas T, Caballero E, Requena S, Amengual MJ, Peñaranda M, Sáez A, Tellez R, Lozano AB, Treviño A, Ramos JM, Pérez JL, Barreiro P, Soriano V

HIV type 2 epidemic in Spain: challenges and missing opportunities.
Spanish HIV-2 Network. AIDS. 31(10):1353-1364 – 2017

Ciudad MT, Sorvillo N, van Alphen FP, Catalán D, Meijer AB, Voorberg J, Jaraquemada D.

Analysis of the HLA-DR peptidome from human dendritic cells reveals high affinity repertoires and nonconventional pathways of peptide generation.
J Leukoc Biol. 101(1):15-27 - 2017

Scholz EM, Marcilla M, Daura X, Arribas-Layton D, James EA, Alvarez I.

Human Leukocyte Antigen (HLA)-DRB1*15:01 and HLA-DRB5*01:01 Present Complementary Peptide Repertoires.
Front Immunol. 8:984 - 2017

Miralles M, Eixarch H, Tejero M, Costa C, Hirota K, Castaño AR, Puig M, Stockinger G, Montalban X, Bosch A, Espejo C, Chillón M.

Clinical and Histopathological Amelioration of Experimental Autoimmune Encephalomyelitis by AAV Vectors Expressing a Soluble Interleukin-23 Receptor.
Neurotherapeutics. 14(4):1095-1106 - 2017

Crespo-Lessmann A, Mateus E, Torrejón M, Belda A, Giner J, Vidal S, Sibila O, Plaza V.

Asthma with bronchial hypersecretion: expression of mucins and toll-like receptors in sputum and blood.
J Asthma Allergy. 10:269-276 - 2017

Suarez-Cuartin G, Smith A, Abo-Leyah H, Rodrigo-Troyano A, Perea L, Vidal S, Plaza V, Fardon TC, Sibila O, Chalmers JD.

Anti-Pseudomonas aeruginosa IgG antibodies and chronic airway infection in bronchiectasis.
Respir Med. 128:1-6 - 2017

Sánchez E, Nieto JC, Vidal S, Santiago A, Martínez X, Sancho FJ, Sancho-Bru P, Mirelis B, Corominola H, Juárez C, Manichanh C, Guarner C, Soriano G.

Fermented milk containing Lactobacillus paracasei subsp. paracasei CNCM I-1518 reduces bacterial translocation in rats treated with carbon tetrachloride.
Sci Rep. 7:45712 - 2017

Martinez-Martinez L, Lleixà MC, Boera-Carnicero G, Cortese A, Devaux J, Siles A, Rajabally Y, Martinez-Piñeiro A, Carvajal A, Pardo J, Delmont E, Attarian S, Diaz-Manera J, Callegari I, Marchioni E, Franciotta D, Benedetti L, Lauria G, de la Calle Martin O, Juárez C, Illa I, Querol L.

Anti-NF155 chronic inflammatory demyelinating polyradiculoneuropathy strongly associates to HLA-DRB15. *J Neuroinflammation*. 14(1):224 - 2017

Nieto JC, Zamora C, Cantó E, Garcia-Planella E, Gordillo J, Ortiz MA, Juárez C, Vidal S.

CSF-1 regulates the function of monocytes in Crohn's disease patients in remission.

Sci Rep. 7(1):92 - 2017

Zamora C, Cantó E, Nieto JC, Bardina J, Diaz-Torné C, Moya P, Magallares B, Ortiz MA, Julià G, Juarez C, Llobet JM, Vidal S.

Binding of Platelets to Lymphocytes: A Potential Anti-Inflammatory Therapy in Rheumatoid Arthritis.

J Immunol.;198(8):3099-3108 - 2017

Cordero P, González V, Juárez C, Martin JM.

Nonsexually acquired genital ulcers in a 79-year-old woman.

Int J Dermatol. 56(5):e94-e96 - 2017

Anàlisi Finançament de la Recerca



BCFI

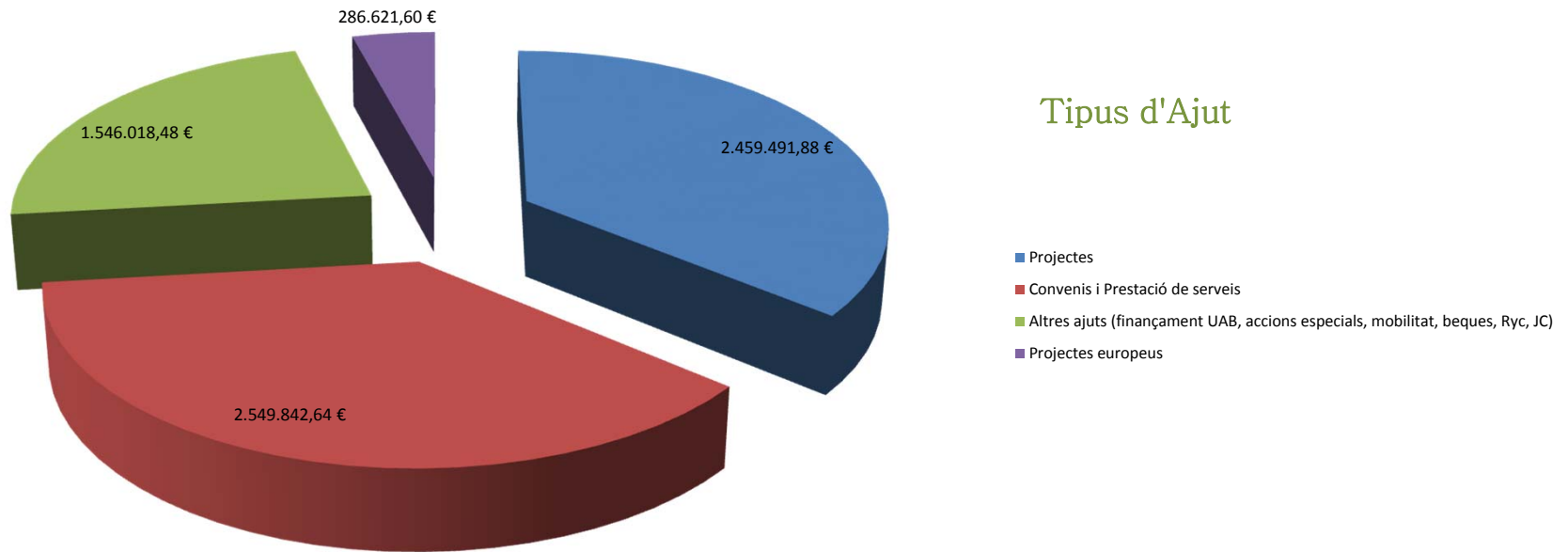
Departament de
Biologia Cel·lular, Fisiologia i Immunologia
Universitat Autònoma de Barcelona

Finançament de la Recerca 2013/2017

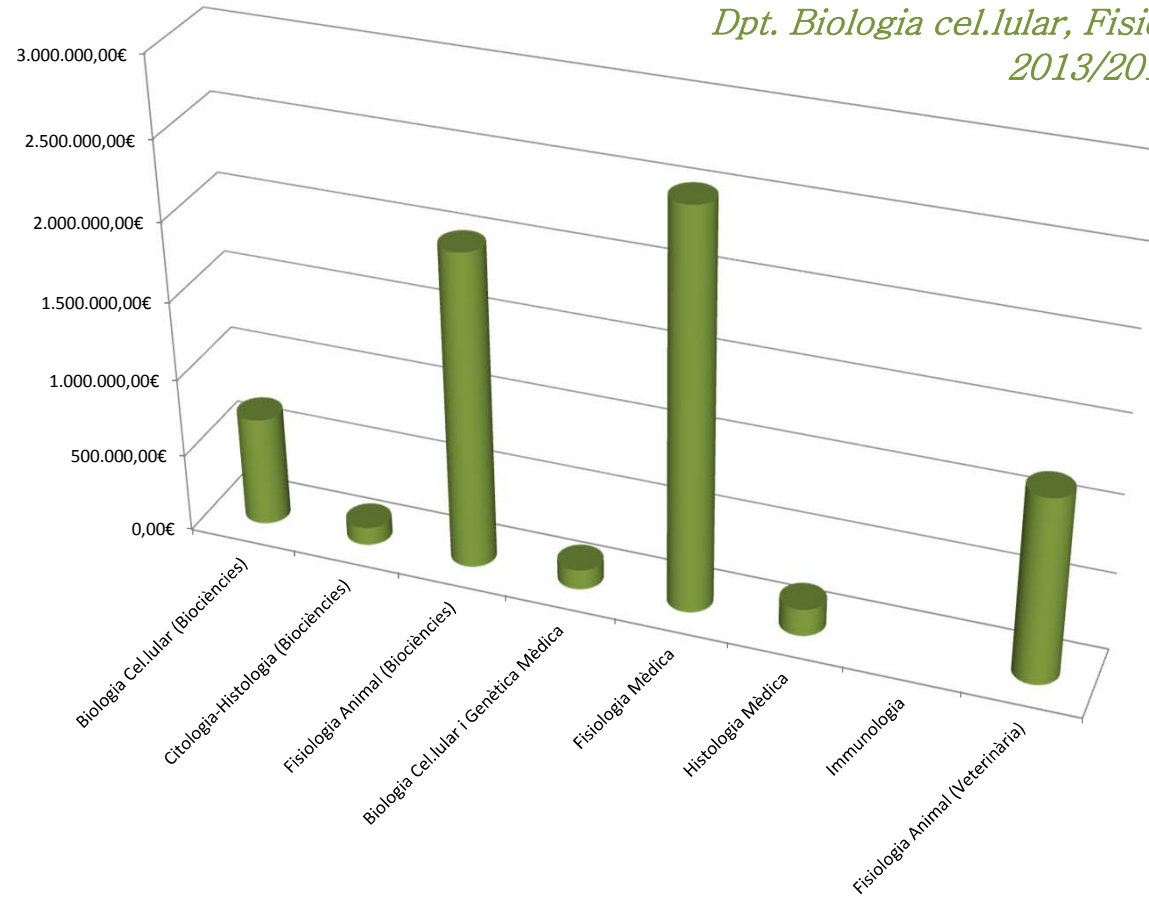
| Tipus d'Ajut | 2013 | 2014 | 2015 | 2016 | 2017 | Total |
|---|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|
| Projectes | | 470.535,00 € | 1.265.360,65 € | 603.083,17 € | 120.513,06 € | 2.459.491,88 € |
| Convenis i Prestació de serveis | 695.700,33 € | 627.438,79 € | 515.965,60 € | 304.145,00 € | 406.592,92 € | 2.549.842,64 € |
| Altres ajuts (finançament UAB, accions especials, mobilitat, beques, Ryc, JC) | 411.286,00 € | 122.391,00 € | 579.452,00 € | 174.525,12 € | 258.364,36 € | 1.546.018,48 € |
| Projectes europeus | 50.500,00 € | | 170.121,60 € | 66.000,00 € | | 286.621,60 € |
| Total | 1.157.486,33 € | 1.220.364,79 € | 2.530.899,85 € | 1.147.753,29 € | 785.470,34 € | 6.841.974,60 € |

| Unitat | 2013 | 2014 | 2015 | 2016 | 2017 | Total |
|--------------------------------------|----------------------|----------------------|----------------------|----------------------|--------------------|----------------------|
| Biologia Cel.lular (Biociències) | 34.944,54 € | 277.288,93 € | 173.667,94 € | 139.660,00 € | 72.429,12 € | 697.990,53€ |
| Citologia-Histologia (Biociències) | 10.130,00 € | | 104.458,00 € | | | 114.588,00€ |
| Fisiologia Animal (Biociències) | 339.601,87 € | 153.190,00 € | 1.016.512,32 € | 333.688,29 € | 172.215,28 € | 2.015.207,76€ |
| Biologia Cel.lular i Genètica Mèdica | 18.280,00 € | 89.725,00 € | 9.279,00 € | | 9.917,35 € | 127.201,35€ |
| Fisiologia Mèdica | 472.290,50 € | 513.840,00 € | 637.047,50 € | 623.244,00 € | 279.043,30 € | 2.525.465,30€ |
| Histologia Mèdica | | | | 3.561,00 € | 171.013,96 € | 174.574,96€ |
| Immunologia | | | | | | |
| Fisiologia Animal (Veterinària) | 282.239,42 € | 186.320,86 € | 589.935,09 € | 47.600,00 € | 80.851,33 € | 1.186.946,70€ |
| Total | 1.157.486,33€ | 1.220.364,79€ | 2.530.899,85€ | 1.147.753,29€ | 785.470,34€ | 6.841.974,60€ |

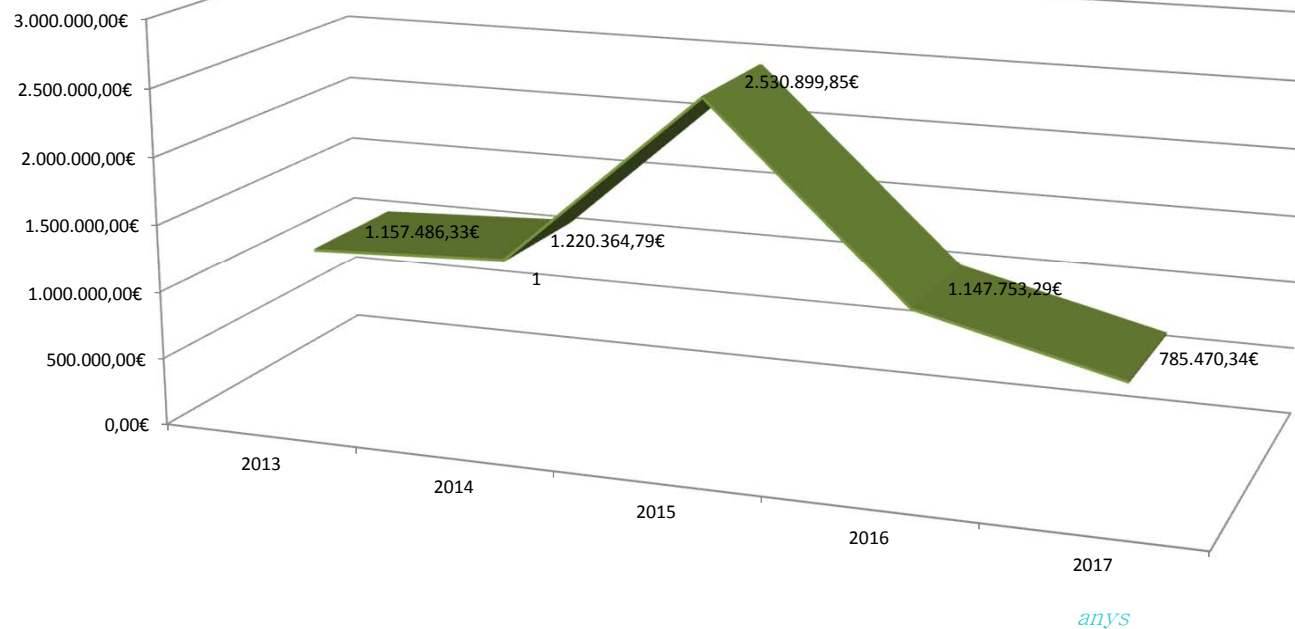
*Distribució Finançament de la Recerca
Dpt. Biologia cel.lular, Fisiologia i Immunologia
2013/2017*



*Distribució Finançament de la Recerca per unitats departamentals
Dpt. Biologia cel.lular, Fisiologia i Immunologia
2013/2017*



Finançament



*Distribució Finançament de la Recerca per anys
Dpt. Biologia cel.lular, Fisiologia i Immunologia
2013/2017*

Anàlisi Finançament de la Recerca

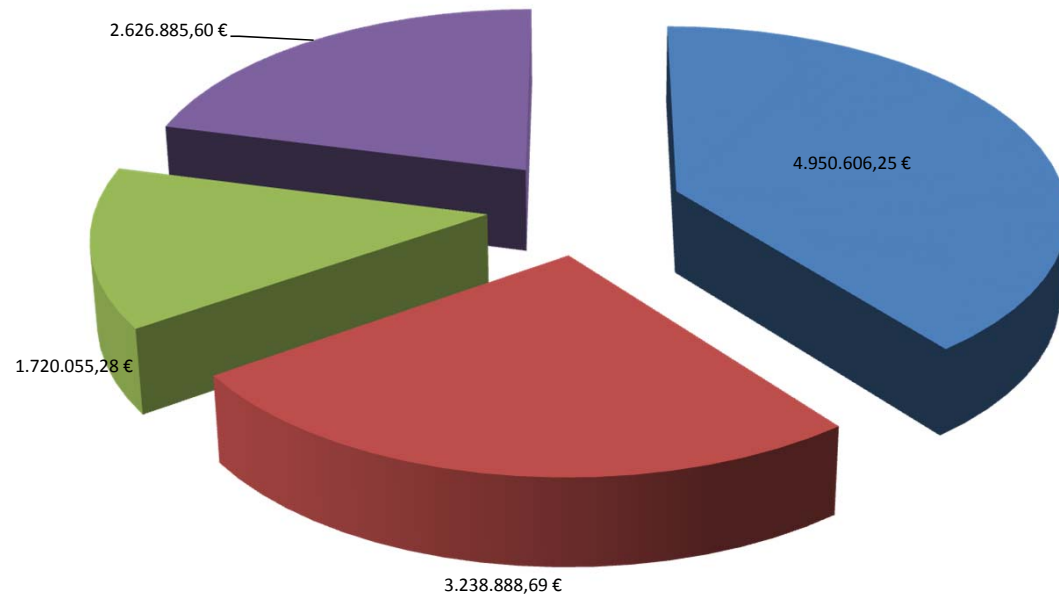
Departament i Instituts de Recerca



Finançament de la Recerca (Departament + Instituts Recerca)
2013/2017

| Tipus d'Ajut | 2013 | 2014 | 2015 | 2016 | 2017 | Total |
|--|--------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Projectes | 236.050,00 € | 935.994,00 € | 1.791.625,00 € | 1.502.952,19 € | 483.985,06 € | 4.950.606,25 € |
| Convenis i Prestació de serveis | 876.240,34 € | 871.235,86 € | 532.566,87 € | 465.963,00 € | 492.882,62 € | 3.238.888,69 € |
| Altres ajuts (finançament UAB, accions especials, mobilitat, beques, Ryc, JC) | 478.474,00 € | 122.391,00 € | 619.452,00 € | 238.525,12 € | 261.213,16 € | 1.720.055,28 € |
| Projectes europeus | 767.764,00 € | 123.000,00 € | 1.670.121,60 € | 66.000,00 € | | 2.626.885,60 € |
| Total | #REF! | 2.358.528,34 € | 2.052.620,86 € | 4.613.765,47 € | 1.238.080,84 € | 12.536.435,82 € |

*Distribució Finançament de la Recerca
Personal Investigador Dpt. (Dpt.+ Instituts de Recerca)
2013/2017*



Tipus d'Ajut

- Projectes
- Convenis i Prestació de serveis
- Altres ajuts (finançament UAB, accions especials, mobilitat, beques, Ryc, JC)
- Projectes europeus

Detall del Finançament de la Recerca

Unitats

*Finançament de la
Recerca
Projectes nacionals i Europeus*

2017

Convenis

Fisiologia (Veterinària)

Investigador: Patrocinio Vergara Esteras

Projecte: Necessitats veterinàries de la Fundació

Data d'inici: 01/06/2017

Import concedit 25.200,00 €

Investigador: Patrocinio Vergara Esteras

Projecte: Necessitats veterinàries del VHIP

Data d'inici: 04/01/2017

Import concedit 33.600,00 €

Investigador: Patrocinio Vergara Esteras

Projecte: Assessorament tècnic en matèria d'experimentació animal

Data d'inici: 12/07/2017

Import concedit 1.500,00 €

Investigador: Patrocinio Vergara Esteras

Projecte: Necessitats veterinàries de la Fundació

Data d'inici: 01/01/2017

Import concedit 25.200,00 €

Investigador: Vicente Martínez Perea

Projecte: Proyecto Sigma 1, nuevas indicaciones

Data d'inici: 01/01/2017

Import concedit 40.000,00 €

2017

Fisiologia Mèdica

Investigador: Xavier Navarro Acebes
Projecte: Renovación del convenio "Estudio: Evaluación de efectos neuroprotectores de ligandos de receptor Sigma 1 en modelos in
Data d'inici: 01/10/2017
Import concedit 80.000,00 €

Histologia Mèdica

Investigador: Gemma Manich Raventós
Projecte: Estudio del efecto de MIN-102 como protector de desmielinización
Data d'inici: 19/07/2017
Import concedit 45.233,96 €

Projectes

Biologia Cel·lular (Biociències)

Investigador: Marta Martín Flix
Projecte: CARACTERIZACIÓN DE MARCADORES DE INESTABILIDAD GENÓMICA ASOCIADOS A LA EDAD EN CÉLULAS EPITELIALES
Data d'inici: 26/02/2017
Import concedit 3.000,00 €

Fisiologia Animal (Biociències)

Investigador: Lluís Tort Bardolet
Projecte: RED TEMÁTICA EN BIENESTAR Y ESTRÉS EN PECES
Data d'inici: 01/07/2017
Import concedit 20.000,00 €

Fisiologia Mèdica

2017

Investigador: Xavier Navarro Acebes

Projecte: CIBERNED_ Patología neuromuscular clínica y experimental

Data d'inici: 01/01/2017

Import concedit 76.913,06 €

2017

Beques

Biologia Cel·lular (Biociències)

Investigador: María Elena Ibañez de Sans
Projecte: Massafret Surinyach, Ot
Data d'inici: 01/04/2017
Import concedit 60.465,12 €

Fisiologia Animal (Biociències)

Investigador: Antoni Armario García
Projecte: Molina Molina, Patricia
Data d'inici: 16/10/2017
Import concedit 65.688,00 €

Fisiologia Mèdica

Investigador: Xavier Navarro Acebes
Projecte: Gaja Capdevila, Núria
Data d'inici: 01/04/2017
Import concedit 60.465,12 €

Investigador: Jordi Bruna Escuer
Projecte: Calls Cobos, Aina
Data d'inici: 01/04/2017
Import concedit 60.465,12 €

Mobilitat

Fisiologia (Veterinària)

Investigador: Ester Fernández Jimeno
Projecte: Estancias de movilidad de profesores e investigadores en centros extranjeros de enseñanza superior e investigación 2017
Data d'inici: 01/01/2018
Import concedit 11.281,00 €

Detall del Finançament de la Recerca

Adscrits a Instituts de Recerca



BCFI

Departament de
Biologia Cel·lular, Fisiologia i Immunologia
Universitat Autònoma de Barcelona

2017

Institut de Biotecnologia i Biomedicina

Convenis

Investigador: Nerea Roher Armentia

Projecte: AqüiVal Evolution (Biosensor)

Data de resolució 01/08/2017 **Import concedit:** 17.024,70 €

Projectes

Investigador: Mercé Martí Ripoll

Projecte: Beques per Doctorats Industrials

Data de resolució 01/03/2017 **Import concedit:** 8.472,00 €

Institut de Neurociències (INc)

Convenis

Investigador: Esther Udina Bonet

Projecte: Projecte "Obtención de matriz nerviosa descelularizada para la regeneración de nervios periféricos"

Data de resolució 10/11/2017 **Import concedit:** 38.000,00 €

Investigador: Xavier Navarro Acebes

Projecte: Estudio clínico piloto de fase I/IIa, aleatorizado, doble ciego, de dos brazos de tratamiento y controlado con placebo para evaluar la seguridad y obtener indicios de eficacia en la administración intratecal de células mesenquimales

Data de resolució 05/12/2017 **Import concedit:** 12.658,00 €

Investigador: Xavier Navarro Acebes

Projecte: Evaluation of neuroprotective effects of LSD-1 inhibitors in the amyotrophic lateral sclerosis SOD1 g93a mouse model

Data de resolució 01/10/2017 **Import concedit:** 18.607,00 €

Facturació per prestació de serveis

Investigador: Ruben López Vales

Projecte: P.S.RECERCA: LAB.HISTOLOGIA-INC.

Data de resolució 01/01/2017 **Import concedit:** 1.214,93 €

Mobilitat

Investigador: Anna Escrig Monfort

Projecte:

Data de resolució 27/03/2017 **Import concedit:** 2.848,80 €

Projectes

Investigador: Esther Udina Bonet

Projecte: Modulation of perineuronal nets by physical exercise after spinal cord injury in animal models: Plasticity versus stability of the neuronal circuits

Data de resolució 17/10/2017 **Import concedit:** 185.000,00 €

Investigador: Ruben López Vales

Projecte: Immunoresolvent lipids for Multiple Sclerosis and Amyotrophic Lateral Sclerosis

Data de resolució 15/12/2017 **Import concedit:** 70.000,00 €

Investigador: Catalina Casas Louzao

Projecte: Valorització de NeuroHeal co a agent neuroprotector i regenerador per lesions de nervi perifèric

Data de resolució 30/10/2017 **Import concedit:** 100.000,00 €