

## LISTA PUBBLICAZIONI

1. Functional loss of Ccdc1 51 leads to hydrocephalus in a mouse model of primary ciliary dyskinesia.

Chiani F, Orsini T, **Gambadoro A**, Pasquini M, Putti S, Cirilli M, Ermakova O, Tocchini-Valentini GP.

Dis Model Mech. 2019 Aug 2;12(8). pii: dmm038489. doi: 10.1242/dmm.038489.

2. Identification of genes required for eye development by highthroughput screening of mouse knockouts.

Moore BA, Leonard BC, Sebbag L, Edwards SG, Cooper A, Imai DM, Straiton E, Santos L, Reilly C, Griffey SM, Bower L, Clary D, Mason J, Roux MJ, Meziane H, Herault Y; **International Mouse Phenotyping Consortium**, McKerlie C, Flenniken AM, Nutter LMJ, Berberovic Z, Owen C, Newbigging S, Adissu H, Eskandarian M, Hsu CW, Kalaga S, Udensi U, Asomugha C, Bohat R, Gallegos JJ, Seavitt JR, Heaney JD, Beaudet AL, Dickinson ME, Justice MJ, Philip V, Kumar V, Svenson KL, Braun RE, Wells S, Cater H, Stewart M, Clementson-Mobbs S, Joynson R, Gao X, Suzuki T, Wakana S, Smedley D, Seong JK, Tocchini-Valentini G, Moore M, Fletcher C, Karp N, Ramirez-Solis R, White JK, de Angelis MH, Wurst W, Thomasy SM, Flicek P, Parkinson H, Brown SDM, Meehan TF, Nishina PM, Murray SA, Krebs MP, Mallon AM, Lloyd KCK, Murphy CJ, Moshiri A.

Commun Biol. 2018 Dec 21;1:236. doi: 10.1038/s42003-018-0226-0. eCollection 2018. Erratum in: Commun Biol. 2019 Mar 7;2:97.

3. Identification of genetic elements in metabolism by highthroughput mouse phenotyping

Rozman J, Rathkolb B, Oestereicher MA, Schütt C, Ravindranath AC, Leuchtenberger S, Sharma S, Kistler M, Willershäuser M, Brommage R, Meehan TF, Mason J, Haselimashhadi H; **IMPC Consortium**, Hough T, Mallon AM, Wells S, Santos L, Lelliott CJ, White JK, Sorg T, Champy MF, Bower LR, Reynolds CL, Flenniken AM, Murray SA, Nutter LMJ, Svenson KL, West D, Tocchini-Valentini GP, Beaudet AL, Bosch F, Braun RB, Dobbie MS, Gao X, Herault Y, Moshiri A, Moore BA, Kent Lloyd KC, McKerlie C, Masuya H, Tanaka N, Flicek P, Parkinson HE, Sedlacek R, Seong JK, Wang CL, Moore M, Brown SD, Tschöp MH, Wurst W, Klingenspor M, Wolf E, Beckers J, Machicao F, Peter A, Staiger H, Häring HU, Grallert H, Campillos M, Maier H, Fuchs H, Gailus-Durner V, Werner T, Hrabe de Angelis M.

Nat Commun. 2018 Jan 18;9(1):288. doi: 10.1038/s41467-017-01995-2.

4. A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction

Bowl MR, Simon MM, Ingham NJ, Greenaway S, Santos L, Cater H, Taylor S, Mason J, Kurbatova N, Pearson S, Bower LR, Clary DA, Meziane H, Reilly P, Minowa O, Kelsey L; **International Mouse Phenotyping Consortium**, Tocchini-Valentini GP, Gao X, Bradley A, Skarnes WC, Moore M, Beaudet AL, Justice MJ, Seavitt J, Dickinson ME, Wurst W, de Angelis MH, Herault Y, Wakana S, Nutter LMJ, Flenniken AM, McKerlie C, Murray SA, Svenson KL, Braun RE, West DB, Lloyd KCK, Adams DJ, White J, Karp N, Flicek P, Smedley D, Meehan TF, Parkinson HE, Teboul LM, Wells S, Steel KP, Mallon AM, Brown SDM.

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## 5. Genome wide conditional mouse knockout resources

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## 6. Three-Dimensional microCT imaging of murine embryonic development from immediate post-implantation to organogenesis: application for phenotyping analysis of early embryonic lethality in mutant animals

Ermakova O, Orsini T, **Gambadoro A**, Chiani F, Tocchini- Valentini GP. Mamm Genome. 2017 Nov 23. doi: 10.1007/s00335-017-9723-6. [Epub ahead of print]

## 7. Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium

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## 8. High-throughput discovery of novel developmental phenotypes

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9. Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics.

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Rinaldi T, Hofmann L, **Gambadoro A**, Cossard R, Livnat- Levanon N, Glickman MH, Frontali L, Delahodde A.

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11. Participation of the proteasomal lid subunit Rpn11 in mitochondrial morphology and function is mapped to a distinct C-terminal domain.

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12. Nucleo-mitochondrial interactions in *Saccharomyces cerevisiae*: characterization of a nuclear gene suppressing a defect in mitochondrial tRNA<sup>Asp</sup> processing.

T. Rinaldi, **A. Gambadoro**, S. Francisci, L. Frontali

