



**Jakub Horak, PhD**

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Jakub Horak graduated from Masaryk University Brno and completed his postgraduate doctoral studies at University of Tübingen. After eleven years of basic research in the field of molecular biology and genetics, he joined a genetic diagnostic laboratory of Repromeda in 2011 and devoted his further professional life to the field of reproductive genetics and preimplantation genetic testing. He actively participated in the wider expansion of preimplantation genetic testing into IVF clinical practice, which was associated with the introduction of many new methods and technologies including array CGH, NGS and karyomapping. Since 2015, he continued as director of the genetic laboratory and focused on embryo categorization, mosaicism, segmental aneuploidy and using SNPs for aneuploidy detection. In 2020 he moved to GENNET, was appointed Director for Preimplantation Genetic Testing and continue in the effort of providing high quality PGT for patients.

Selected papers:

Navratil R, Horak J et al. Concordance of various chromosomal errors among different parts of the embryo and the value of re-biopsy in embryos with segmental aneuploidies. *Mol Hum Reprod.* 2020, 26/4: doi: 269, 10.1093/molehr/gaaa012

Kubicek D, Hornak M, Horak J et al. Incidence and origin of meiotic whole and segmental chromosomal aneuploidies detected by karyomapping. *Reprod Biomed Online.* 2019 Mar;38(3):330-339. doi: 10.1016/j.rbmo.2018.11.023