

CV Yakulov, Toma Antonov

1) General Information

Name: YAKULOV, Toma Antonov, PD Dr. rer. nat.
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Gender: male
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Position: Group leader, Renal Division

2) University Training and Degrees

2003 - 2005 Molecular Biology, University of Göttingen (M.Sc.)
2002 - 2003 Biochemistry, Sofia University (M.Sc.), Bulgaria
1998 - 2002 Biology, Sofia University (B.Sc.), Bulgaria
1997 - 1998 Chemistry, Sofia University, Bulgaria

3) Advanced Academic Qualifications

2019 Habilitation, University of Freiburg (G. Walz)
2008 Dissertation (Dr. rer. nat.), University of Göttingen and Max Planck Institute of
Biophysical Chemistry, Göttingen (H. Jäckle)

4) Postgraduate Professional Career

2017 - present Group leader, Renal Division, Medical Center - University of Freiburg
2013 - 2016 Postdoctoral researcher, Renal Division, Medical Center - University of Freiburg
2010 - 2013 Postdoctoral researcher, Max Planck Institute of Immunobiology and Epigenetics,
Freiburg
2008 - 2010 Postdoctoral researcher, Max Planck Institute of Biophysical Chemistry, Göttingen

5) Other

2017 - present Member of the Animal Protection Committee (Tierschutzausschuss) of the University
Freiburg
2015 - present Deputy Head of the Renal Division Zebrafish Unit, University Freiburg Medical Center

6) Most Significant Publications

a) Articles published or officially accepted

1. **Yakulov TA**, Todkar AP, Slanchev K, Wiegel J, Bona A, Groß M, Scholz A, Hess I, Wurditsch A, Grahmmer F, Huber TB, Lecaudey V, Bork T, Hochrein J, Börries M, Leenders J, Tullio P, Jouret F, Kramer-Zucker A, and Walz G. CXCL12 and MYC control energy metabolism to support adaptive responses after kidney injury. *Nat Commun* 9, 3660 (2018).
2. Viau A, Bienaimé F, Lukas K, Todkar AP, Knoll M, **Yakulov TA**, Hofherr A, Kretz O, Helmstädter M, Reichardt W, Braeg S, Aschman T, Merkle A, Pfeifer D, Dumit VI, Gubler MC, Nitschke R, Huber TB, Terzi F, Dengjel J, Grahmmer F, Köttgen M, Busch H, Börries M, Walz G, Triantafyllopoulou A, and Kuehn EW. Cilia-localized LKB1 regulates chemokine signaling, macrophage recruitment, and tissue homeostasis in the kidney. *EMBO J* 37, e98615 (2018).
3. Kuechlin S, Schoels M, Slanchev K, Lassmann S, Walz G, and **Yakulov TA**. EpCAM controls morphogenetic programs during zebrafish pronephros development. *Biochem Biophys Res Commun* 487, 209-215 (2017).
4. Gee HY, Sadowski CE, Aggarwal PK, Porath JD, **Yakulov TA**, Schueler M, Lovric S, Ashraf S, Braun DA, Halbritter J, Fang H, Airik R, Vega-Warner V, Cho KJ, Chan TA, Morris LGT, French-Constant C, Allen N, McNeill H, Büscher R, Kyrieleis H, Wallot M, Gaspert A, Kistler T, Milford DV, Saleem MA, Keng WT, Alexander SI, Valentini RP, Licht C, Teh JC, Bogdanovic R, Koziell A, Bierzynska A, Soliman NA, Otto EA, Lifton RP, Holzman LB, Sibinga NES, Walz G, Tufro A, and Hildebrandt F. FAT1 mutations cause a glomerulotubular nephropathy. *Nat Commun* 7, 10822 (2016).

5. Ramachandran H, **Yakulov TA**, Engel C, Müller B, and Walz G. The C175R mutation alters nuclear localization and transcriptional activity of the nephronophthisis NPHP7 gene product. ***Eur J Hum Genet*** 24, 774-778 (2016).
 6. Shamseldin HE*, **Yakulov TA***, Hashem A, Walz G, and Alkuraya FS. ANKS3 is mutated in a family with autosomal recessive laterality defect. ***Hum Genet*** 135, 1233-1239 (2016). *contributed equally
 7. Ramachandran H, Engel C, Müller B, Dengjel J, Walz G, and **Yakulov TA**. Anks3 alters the sub-cellular localization of the Nek7 kinase. ***Biochem Biophys Res Commun*** 464, 901-907 (2015).
 8. **Yakulov TA**, Yasunaga T, Ramachandran H, Engel C, Müller B, Hoff S, Dengjel J, Lienkamp SS, and Walz G. Anks3 interacts with nephronophthisis proteins and is required for normal renal development. ***Kidney Int*** 87, 1191 (2015).
 9. Yasunaga T, Hoff S, Schell C, Helmstädter M, Kretz O, Kuechlin S, **Yakulov TA**, Engel C, Müller B, Bensch R, Ronneberger O, Huber TB, Lienkamp SS, and Walz G. The polarity protein Inturned links NPHP4 to Daam1 to control the subapical actin network in multiciliated cells. ***J Cell Biol*** 211, 963-973 (2015).
 10. **Yakulov T**, Raggioli A, Franz H, and Kemler R. Wnt3a-dependent and -independent protein interaction networks of chromatin-bound β -catenin in mouse embryonic stem cells. ***Mol Cell Proteomics*** 12, 1980-1994 (2013).
- b) Other publications
None listed.
- c) Patents, subdivided into pending and issued
None listed.