



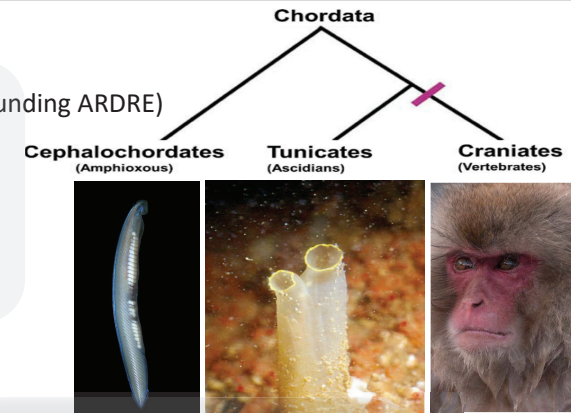
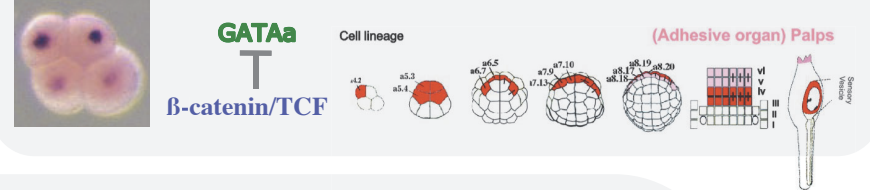
(from left): **Ute Rothbacher** (Assoc.Prof., group leader), **Milos Jakobi** (Master cand.), **Alessandro Pennati** (PhD cand.), **Valentin Keil** (intern), **Fan Zeng** (PostDoc)

Genregulation in frühen Embryonalstadien (& Bioadhäsion) in Tunicaten/Manteltieren (Schwestergruppe der Wirbeltiere)

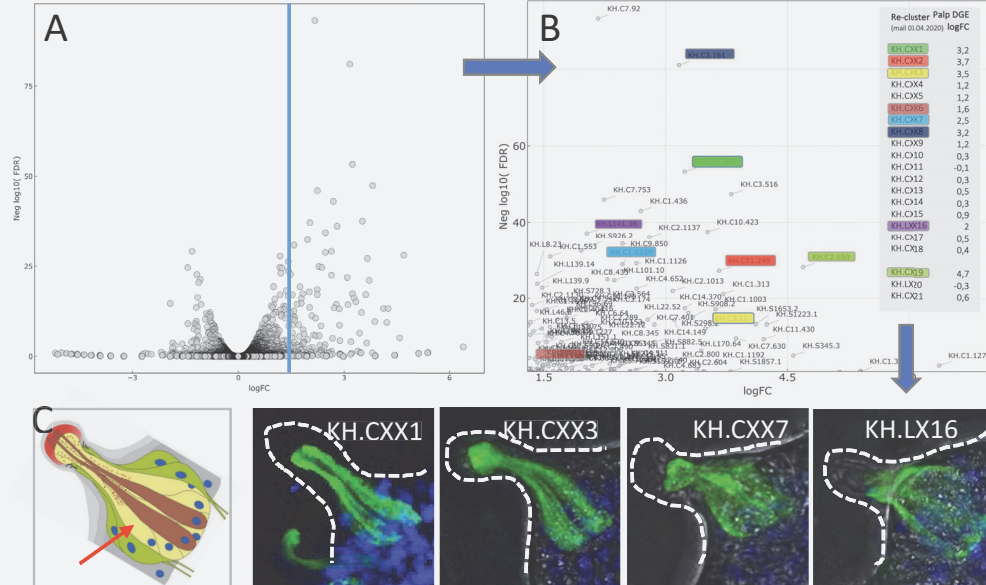
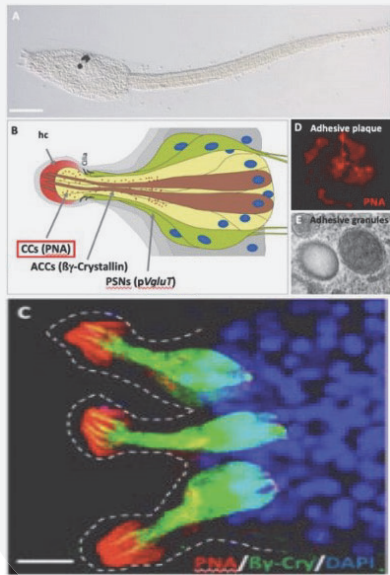
<https://www.uibk.ac.at/zoology/staff/rothbaecher/>

Question 1: Novel repressors of transcription ? (funding: ARDRE)

Effectors of Wnt und FGF/ERK/Ets signaling



Question 2: Tunicate Bioadhäsion or how to stick under water (funding: TuniGlue, FWF 2022-2025)



nature
Article
Hmx gene conservation identifies the origin of vertebrate cranial ganglia



Research methods: genome analyses, inFusion or GoldenGate cloning, CRISPR-knockout, overexpression, cis-regulation, in vitro fertilization, electroporation,, microinjection