



MERRY CHRISTMAS AND A HAPPY NEW YEAR 2019

In this Christmas card we introduce a new way of research physicalization. We turned our recent papers into gingerbread cookies!

Our cookies feature motifs from visualization of multiscale DNA nanostructures, Euler diagrams of expanded queries, levels of expanded bladders due to Glühwein consumption, beautiful smiles thanks to augmented reality, and finally several new technologies for biology communication.

Auf dieser Weihnachtskarte zeigen wir neuartige Forschung im Bereich Physikalisierung. Wir verwandelten unsere aktuellen Publikationen in Lebkuchen.

Unsere Kekse repräsentieren die multiskalare Visualisierung von DNA Nanostrukturen, Euler Diagramme von erweiterten Such-Abfragen, Pegel von expandierten Harnblasen nach Glühwein-Konsum, durch Augmented Reality verursachtes Lächeln und letztlich mehrere neue Technologien für die Kommunikation von Biologiewissen.

GINGERBREAD REFERENCES

- [1] Instant Construction and Visualization of Crowded Biological Environments, Klein T. et al., 2018
- [2] Multiscale Visualization and Scale-adaptive Modification of DNA Nanostructures, Miao H. et al., 2018
- [3] Visualization Multi-Pipeline for Communicating Biology, Mindekk P. et al., 2018
- [4] DimSUM: Dimension and Scale Unifying Maps for Visual Abstraction of DNA Origami Structures, Miao H. et al., 2018
- [5] Bladder Runner: Visual Analytics for the Exploration of RT-Induced Bladder Toxicity in a Cohort Study, Raidou R. et al., 2018
- [6] A Visual Comparison of Hand-Drawn and Machine-Generated Human Metabolic Pathways, Wu H. et al., 2018
- [7] Visualizing Expanded Query Results, Mazurek M. et al., 2018
- [8] WithTeeth: Denture Preview in Augmented Reality, Amirkhanov A. et al., 2018
- [9] Labels on Levels: Labeling of Multi-Scale Multi-Instance and Crowded 3D Biological Environments, Kouřil D. et al., 2019



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