

## Katerina Kraft

Basic Life Science Research Scientist, Dermatology

### Publications

---

#### PUBLICATIONS

- **Serial genomic inversions induce tissue-specific architectural stripes, gene misexpression and congenital malformations.** *Nature cell biology*  
Kraft, K., Magg, A., Heinrich, V., Riemenschneider, C., Schopflin, R., Markowski, J., Ibrahim, D. M., Acuna-Hidalgo, R., Despang, A., Andrey, G., Wittler, L., Timmermann, B., Vingron, et al  
2019
- **Disruptions of Topological Chromatin Domains Cause Pathogenic Rewiring of Gene-Enhancer Interactions** *CELL*  
Lupianez, D. G., Kraft, K., Heinrich, V., Krawitz, P., Brancati, F., Klopocki, E., Hom, D., Kayserili, H., Opitz, J. M., Laxova, R., Santos-Simarro, F., Gilbert-Dussardier, B., Wittler, et al  
2015; 161 (5): 1012–25
- **Deletions, Inversions, Duplications: Engineering of Structural Variants using CRISPR/Cas in Mice** *CELL REPORTS*  
Kraft, K., Geuer, S., Will, A. J., Chan, W., Paliou, C., Borschiwer, M., Harabula, I., Wittler, L., Franke, M., Ibrahim, D. M., Kragestein, B. K., Spielmann, M., Mundlos, et al  
2015; 10 (5): 833–39
- **ONCOGENIC 3D TUMOR GENOME ORGANIZATION IDENTIFIES NEW THERAPEUTIC TARGETS IN EPENDYMOMA**  
Okonechnikov, K., Huebner, J., Chapman, O., Chakraborty, A., Pagadala, M., Bump, R., Chandran, S., Kraft, K., Hidalgo, R., Mundlos, S., Wechsler-Reya, R., Juarez, E. F., Coufal, et al  
OXFORD UNIV PRESS INC.2020: 308
- **TARGETING OF EPENDYMOMA AS INFORMED BY ONCOGENIC 3D GENOME ORGANIZATION**  
Okonechnikov, K., Hubner, J., Chapman, O., Chakraborty, A., Bump, R., Chandran, S., Kraft, K., Hidalgo, R., Mundlos, S., Coufal, N., Levy, M., Crawford, J., Ay, et al  
OXFORD UNIV PRESS INC.2019: 100
- **CHROMOSOME CONFORMATION ANALYSIS OF EPENDYMOMA IDENTIFIES PUTATIVE TUMOR DEPENDENCY GENES ACTIVATED BY DISTAL ONCOGENIC ENHANCERS**  
Okonechnikov, K., Huebner, J., Kraft, K., Hidalgo, R., Bump, R., Chandran, S., Mundlos, S., Mesirov, J., Pajtlar, K., Dixon, J., Pfister, S., Kool, M., Chavez, et al  
OXFORD UNIV PRESS INC.2019: 80–81
- **Serial genomic inversions induce tissue-specific architectural stripes, gene misexpression and congenital malformations** *NATURE CELL BIOLOGY*  
Kraft, K., Magg, A., Heinrich, V., Riemenschneider, C., Schoeflin, R., Markowski, J., Ibrahim, D. M., Acuna-Hidalgo, R., Despang, A., Andrey, G., Wittler, L., Timmermann, B., Vingron, et al  
2019; 21 (3): 305–+