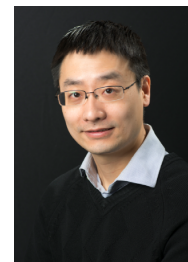


Jing Tang  
Doktor  
Institutet för molekylärmedicin i Finland (FIMM)  
Postadress:  
Finland  
E-post: jing.tang@helsinki.fi



## !!Qualifications

Biometry, Docentship, Helsingfors universitet  
Tilldelningsdatum: 1 feb. 2016

Statistics, PhD, Helsingfors universitet  
Tilldelningsdatum: 15 juni 2009

### Forskningsledare (Principal Investigator)

Tidsperiod : 16.02.2016 - 31.08.2019 i Institutet för molekylärmedicin i Finland

### Forskningsledare (Principal Investigator)

Tidsperiod : 19.02.2016 - \* i Medicum

## Publikationer

### Resolving network clusters disparity based on dissimilarity measurements with nonmetric analysis of variance

Maljutina, A., Tang, J. & Amiryousefi, A., 15 nov. 2023, I: iScience. 26, 11, 108354.

### "Be sustainable": EOSC-Life recommendations for implementation of FAIR principles in life science data handling

David, R., Rybina, A., Burel, J-M., Heriche, J-K., Audergon, P., Boiten, J-W., Coppens, F., Crockett, S., Exter, K., Fahrner, S., Fratelli, M., Goble, C., Gormanns, P., Grantner, T., Grüning, B., Gurwitz, K. T., Hancock, J. M., Harmse, H., Holub, P., Juty, N., & 39 andraKarnbach, G., Karoune, E., Keppler, A., Klemeier, J., Lancelotti, C., Legras, J-L., Lister, A. L., Longo, D. L., Ludwig, R., Madon, B., Massimi, M., Matser, V., Matteoni, R., Mayrhofer, M. T., Ohmann, C., Panagiotopoulou, M., Parkinson, H., Perseil, I., Pfander, C., Pieruschka, R., Raess, M., Rauber, A., Richard, A. S., Romano, P., Rosato, A., Sánchez-Pla, A., Sansone, S-A., Sarkans, U., Serrano-Solano, B., Tang, J., Tanoli, Z., Tedds, J., Wagener, H., Weise, M., Westerhoff, H. V., Wittner, R., Ewbank, J., Blomberg, N. & Gribbon, P., 15 nov. 2023, I: EMBO Journal. 23 s., e115008.

### A pharmacophore-guided deep learning approach for bioactive molecular generation

Zhu, H., Zhou, R., Cao, D., Tang, J. & Li, M., 6 okt. 2023, I: Nature Communications. 14, 1, 11 s., 6234.

### The Impact of Computational Drug Discovery on Society

Wang, J., Li, M., Wang, E., Tang, J. & Hu, B., 1 okt. 2023, I: IEEE transactions on computational social systems. 10, 5, s. 2148-2159 12 s.

### Synergistic interactions of cytarabine-adavosertib in leukemic cell lines proliferation and metabolomic endpoints

Rodríguez-Vázquez, G. O., Diaz-Quñones, A. O., Chorna, N., Salgado-Villanueva, I. K., Tang, J., Ortiz, W. I. S. & Maldonado, H. M., okt. 2023, I: Biomedicine & Pharmacotherapy. 166, 14 s., 115352.

### The impact of imputation quality on machine learning classifiers for datasets with missing values

AIX-COVNET Collaboration, Shadbahr, T., Roberts, M., Stanczuk, J., Gilbey, J., Teare, P., Dittmer, S., Thorpe, M., Torné, R. V., Sala, E., Lió, P., Patel, M., Preller, J., Selby, I., Breger, A., Weir-McCall, J. R., Gkrania-Klotsas, E., Korhonen, A., Jefferson, E., Langa, G., & 13 andraYang, G., Prosch, H., Babar, J., Escudero Sánchez, L., Wassin, M., Holzer, M., Walton, N., Rudd, J. H. F., Mirtti, T., Rannikko, A. S., Aston, J. A. D., Tang, J. & Schönlieb, C-B., okt. 2023, I: Communications Medicine. 3, 1, 15 s., 139.

### Histomic and transcriptomic features of MRI-visible and invisible clinically significant prostate cancers are associated with prognosis

Lehto, T-P. K., Pylväläinen, J., Sandeman, K., Kenttämies, A., Nordling, S., Mills, I. G., Tang, J., Mirtti, T. & Rannikko, A., 28 sep. 2023, I: International Journal of Cancer. 14 s.

**Mining drug-target interactions from biomedical literature using chemical and gene descriptions based ensemble transformer model**

Aldahdooh, J., Tanoli, Z. & Tang, J., 24 juli 2023, (Insänt) I: Journal of Cheminformatics.

**Editorial: Functional screening for cancer drug discovery: from experimental approaches to data integration**

Zhou, K., Wang, W. & Tang, J., 6 juli 2023, I: Frontiers in Genetics. 14, 3 s., 1201454.

**Navigating the development challenges in creating complex data systems**

AIX-COVNET Collaboration, Dittmer, S., Roberts, M., Gilbey, J., Tang, J. & Shadbahr, T., juli 2023, I: Nature Machine Intelligence. 5, 7, s. 681-686 6 s.

**GraphscoreDTA: optimized graph neural network for protein–ligand binding affinity prediction**

Wang, K., Zhou, R., Tang, J. & Li, M., 1 juni 2023, I: Bioinformatics. 39, 6, 9 s., btad340.

**Harmonizing across datasets to improve the transferability of drug combination prediction**

Zhang, H., Wang, Z., Nan, Y., Zagidullin, B., Yi, D., Tang, J. & Guan, Y., 11 apr. 2023, I: Communications Biology. 6, 1, 10 s., 397.

**drda: An R Package for Dose-Response Data Analysis Using Logistic Functions**

Malyutina, A., Tang, J. & Pessia, A., mars 2023, I: Journal of Statistical Software. 106, 4, s. 1-26 26 s.

**[C-11]carfentanil PET imaging for studying the peripheral opioid system in vivo: effect of photoperiod on mu-opioid receptor availability in brown adipose tissue**

Sun, L., Aarnio, R., Herre, E. A., Kärnä, S., Palani, S., Virtanen, H., Liljenbäck, H., Virta, J., Honkaniemi, A., Oikonen, V., Han, C., Laurila, S., Bucci, M., Helin, S., Yarkin, E., Nummenmaa, L., Nuutila, P., Tang, J. & Roivainen, A., jan. 2023, I: European Journal of Nuclear Medicine and Molecular Imaging. 50, 2, s. 266–274 9 s.

**Endothelial TIE1 Restricts Angiogenic Sprouting to Coordinate Vein Assembly in Synergy With Its Homologue TIE2**

Cao, X., Li, T., Xu, B., Ding, K., Li, W., Shen, B., Chu, M., Zhu, D., Rui, L., Shang, Z., Li, X., Wang, Y., Zheng, S., Alitalo, K., Liu, G., Tang, J., Kubota, Y. & He, Y., 2023, I: Arteriosclerosis, Thrombosis, and Vascular Biology. 43, 8, s. e323–e338 16 s.

**Special Issue on Network Pharmacology Modeling for Drug Discovery**

Tang, J., 2023, I: Processes. 11, 7, 4 s., 1988.

**SynergyFinder Plus: Toward Better Interpretation and Annotation of Drug Combination Screening Datasets**

Zheng, S., Wang, W., Aldahdooh, J., Malyutina, A., Shadbahr, T., Tanoli, Z., Pessia, A. & Tang, J., 20 dec. 2022, I: Genomics, Proteomics & Bioinformatics. 20, 3, s. 587-596 10 s.

**DrugRepo: a novel approach to repurposing drugs based on chemical and genomic features**

Wang, Y., Aldahdooh, J., Hu, Y., Yang, H., Vähä-Koskela, M., Tang, J. & Tanoli, Z., dec. 2022, I: Scientific Reports. 12, 1, 13 s., 21116.

**Interpretable prognostic modeling of endometrial cancer**

Zagidullin, B., Pasanen, A., Loukovaara, M., Bützow, R. & Tang, J., dec. 2022, I: Scientific Reports. 12, 1, 11 s., 21543.

**Using BERT to identify drug-target interactions from whole PubMed**

Aldahdooh, J., Vähä-Koskela, M., Tang, J. & Tanoli, Z., 21 juni 2022, I: BMC Bioinformatics. 23, 1, 13 s., 245.

**The ENDS of assumptions; an online tool for the Epistemic Nonparametric Drug-response Scoring**

Amiryousefi, A., Williams, B., Jafari, M. & Tang, J., juni 2022, I: Bioinformatics. 38, 11, s. 3132-3133 2 s.

### **Bipartite network models to design combination therapies in acute myeloid leukaemia**

Jafari, M., Mirzaie, M., Bao, J., Barneh, F., Zheng, S., Eriksson, J., Heckman, C. A. & Tang, J., 19 apr. 2022, I: Nature Communications. 13, 1, 12 s., 2128.

### **Antitumoral Effect of Plocabulin in High Grade Serous Ovarian Carcinoma Cell Line Models**

Heredia-Soto, V., Escudero, J., Miguel, M., Ruiz, P., Gallego, A., Berjón, A., Hernández, A., Martínez-Díez, M., Zheng, S., Tang, J., Hardisson, D., Feliu, J., Redondo, A. & Mendiola, M., 17 mars 2022, I: Frontiers in oncology . 12, 10 s., 862321.

### **Bayes in Wonderland! Predictive Supervised Classification Inference Hits Unpredictability**

Amiryousefi, A., Kinnula, V. & Tang, J., mars 2022, I: Mathematics. 10, 5, 11 s., 828.

### **Prognosis Stratification Tools in Early-Stage Endometrial Cancer: Could We Improve Their Accuracy?**

Ramon-Patino, J. L., Ruz-Caracuel, I., Heredia-Soto, V., Garcia de la Calle, L. E., Zagidullin, B., Wang, Y., Berjon, A., Lopez-Janeiro, A., Miguel, M., Escudero, J., Gallego, A., Castelo, B., Yebenes, L., Hernandez, A., Feliu, J., Pelaez-García, A., Tang, J., Hardisson, D., Mendiola, M. & Redondo, A., feb. 2022, I: Cancers. 14, 4, 14 s., 912.

### **A community challenge for a pancancer drug mechanism of action inference from perturbational profile data**

Douglass Jr., E. F., Allaway, R. J., Szalai, B., Wang, W., Tian, T., Fernández-Torras, A., Realubit, R., Karan, C., Zheng, S., Pessia, A., Tanoli, Z., Jafari, M., Wan, F., Li, S., Xiong, Y., Duran-Frigola, M., Bertonni, M., Badia-i-Mompel, P., Mateo, L., Guitart-Pla, O., & 8 andra Chung, V., Tang, J., Zeng, J., Aloy, P., Saez-Rodriguez, J., Guinney, J., Gerhard, D. S. & Califano, A., 18 jan. 2022, I: Cell Reports Medicine. 3, 1, 20 s., 100492.

### **Minimal information for chemosensitivity assays (MICHA): a next-generation pipeline to enable the FAIRification of drug screening experiments**

Tanoli, Z., Aldahdooh, J., Alam, F., Wang, Y., Seemab, U., Fratelli, M., Pavlis, P., Hajduch, M., Bietrix, F., Gribbon, P., Zaliani, A., Hall, M. D., Shen, M., Brimacombe, K., Kuleskiy, E., Saarela, J., Wennerberg, K., Vähä-Koskela, M. & Tang, J., jan. 2022, I: Briefings in Bioinformatics. 23, 1, 7 s., 350.

### **Application of microfluidic chips in anticancer drug screening**

Fan, X., Deng, Z., Yan, Y., E. Orel, V., Shypko, A., B. Orel, V., Ivanova, D., Pilarsky, C., Tang, J., Chen, Z-S. & Zhang, J., 2022, I: Bosnian Journal of Basic Medical Sciences. 22, 3, s. 302-314 13 s.

### **Eribulin activity in soft tissue sarcoma monolayer and three-dimensional cell line models: could the combination with other drugs improve its antitumoral effect?**

Escudero, J., Heredia-Soto, V., Wang, Y., Ruiz, P., Hu, Y., Gallego, A., Pozo-Kreilinger, J. J., Martinez-Marin, V., Berjon, A., Ortiz-Cruz, E., Bernabeu, D., Feliu, J., Tang, J., Redondo, A. & Mendiola, M., 4 dec. 2021, I: Cancer Cell International. 21, 1, 11 s., 646.

### **Vascular adhesion protein-1 defines a unique subpopulation of human hematopoietic stem cells and regulates their proliferation**

Iftakhar-e-Khuda, I., Pessia, A., Zheng, S., Kankainen, M., Kontro, M., Karikoski, M., Laurila, J., Gerke, H., Tadayon, S., Hollmén, M., Tang, J., Imhof, B. A., Salmi, M. & Jalkanen, S., dec. 2021, I: Cellular and Molecular Life Sciences. 78, 23, s. 7851–7872 22 s.

### **Drug repurposing for COVID-19 using graph neural network and harmonizing multiple evidence**

Hsieh, K., Wang, Y., Chen, L., Zhao, Z., Savitz, S., Jiang, X., Tang, J. & Kim, Y., 30 nov. 2021, I: Scientific Reports. 11, 1, 13 s., 23179.

### **Network-guided identification of cancer-selective combinatorial therapies in ovarian cancer**

He, L., Bulanova, D., Oikkonen, J., Häkkinen, A., Zhang, K., Zheng, S., Wang, W., Erkan, E. P., Carpén, O., Joutsiniemi, T., Hietanen, S., Hynninen, J., Huhtinen, K., Hautaniemi, S., Vähärautio, A., Tang, J., Wennerberg, K. & Aittokallio, T., 3 nov. 2021, I: Briefings in Bioinformatics. 22, 6, 12 s., 272.

### **R-BERT-CNN: Drug-target interactions extraction from biomedical literature**

Aldahdooh, J., Tanoli, Z. & Tang, J., 2 nov. 2021, *Proceedings of the BioCreative VII Challenge Evaluation Workshop*. s. 102-106 5 s.

### **Comparative analysis of molecular fingerprints in prediction of drug combination effects**

Zagidullin, B., Wang, Z., Guan, Y., Pitkänen, E. & Tang, J., nov. 2021, I: *Briefings in Bioinformatics*. 22, 6, 15 s., 291.

### **Heterogeneous modulation of Bcl-2 family members and drug efflux mediate MCL-1 inhibitor resistance in multiple myeloma**

Bolomsky, A., Miettinen, J. J., Malyutina, A., Besse, A., Huber, J., Fellingner, S., Breid, H., Parsons, A., Klavins, K., Hannich, J. T., Kubicek, S., Caers, J., Hübl, W., Schreder, M., Zojer, N., Driessen, C., Tang, J., Besse, L., Heckman, C. & Ludwig, H., 26 okt. 2021, I: *Blood advances*. 5, 20, s. 4125-4139 15 s.

### **Combination Therapy with Fluoxetine and the Nucleoside Analog GS-441524 Exerts Synergistic Antiviral Effects against Different SARS-CoV-2 Variants In Vitro**

Brunotte, L., Zheng, S., Mecate-Zambrano, A., Tang, J., Ludwig, S., Rescher, U. & Schloer, S., 3 sep. 2021, I: *Pharmaceutics*. 13, 9, 13 s., 1400.

### **Network-based modeling of herb combinations in traditional Chinese medicine**

Wang, Y., Yang, H., Chen, L., Jafari, M. & Tang, J., sep. 2021, I: *Briefings in Bioinformatics*. 22, 5, s. 1-13 13 s., 106.

### **S100 Calcium Binding Protein Family Members Associate With Poor Patient Outcome and Response to Proteasome Inhibition in Multiple Myeloma**

Liu, M., Wang, Y., Miettinen, J. J., Kumari, R., Majumder, M. M., Tierney, C., Bazou, D., Parsons, A., Suvela, M., Lievonen, J., Silvennoinen, R., Anttila, P., Dowling, P., O'Gorman, P., Tang, J. & Heckman, C. A., 16 aug. 2021, I: *Frontiers in Cell and Developmental Biology*. 9, 14 s., 723016.

### **DrugComb update: a more comprehensive drug sensitivity data repository and analysis portal**

Zheng, S., Aldahdooh, J., Shadbahr, T., Wang, Y., Aldahdooh, D., Bao, J., Wang, W. & Tang, J., 2 juli 2021, I: *Nucleic Acids Research*. 49, W1, s. W174-W184 11 s.

### **RNA atlas of human bacterial pathogens uncovers stress dynamics linked to infection**

Avican, K., Aldahdooh, J., Togninalli, M., Mahmud, A. K. M. F., Tang, J., Borgwardt, K. M., Rhen, M. & Fällman, M., 2 juni 2021, I: *Nature Communications*. 12, 1, 14 s., 3282.

### **A three-term recurrence relation for accurate evaluation of transition probabilities of the simple birth-and-death process**

Pessia, A. & Tang, J., juni 2021, I: *BIT Numerical Mathematics*. 61, 2, s. 561-585 25 s.

### **Drug synergy of combinatory treatment with remdesivir and the repurposed drugs fluoxetine and itraconazole effectively impairs SARS-CoV-2 infection in vitro**

Schloer, S., Brunotte, L., Mecate-Zambrano, A., Zheng, S., Tang, J., Ludwig, S. & Rescher, U., juni 2021, I: *British Journal of Pharmacology*. 178, 11, s. 2339-2350 12 s.

### **Identification of Celecoxib targeted proteins using label-free thermal proteome profiling on rat hippocampus**

Gholizadeh, E., Karbalaee, R., Khaleghian, A., Salimi, M., Gilany, K., Soliymani, R., Tanoli, Z., Rezadoost, H., Baumann, M., Jafari, M. & Tang, J., 1 maj 2021, I: *Molecular pharmacology : an international journal*. 99, 5, s. 308-318 11 s.

### **Common pitfalls and recommendations for using machine learning to detect and prognosticate for COVID-19 using chest radiographs and CT scans**

AIX-COVNET, Roberts, M., Gozaliasl, G., Tang, J. & Shadbahr, T., mars 2021, I: *Nature Machine Intelligence*. 3, 3, s. 199-217 19 s.

### **Seasonal variation in the brain mu-opioid receptor availability**

Sun, L., Tang, J., Liljenbäck, H., Honkaniemi, A., Virta, J., Isojärvi, J., Karjalainen, T., Kantonen, T., Nuutila, P., Hietala, J., Kaasinen, V., Kalliokoski, K., Hirvonen, J., Scheinin, H., Helin, S., Eerola, K., Savontaus, E., Yatkin, E., Rinne, J. O., Roivainen, A., & 1 andraNummenmaa, L., 10 feb. 2021, I: *Journal of Neuroscience*. 41, 6, s. 1265-1273 9 s.

**Anticancer drug synergy prediction in understudied tissues using transfer learning**

Kim, Y., Zheng, S., Tang, J., Jim Zheng, W., Li, Z. & Jiang, X., 15 jan. 2021, I: Journal of the American Medical Informatics Association. 28, 1, s. 42-51 10 s.

**CD73 contributes to anti-inflammatory properties of afferent lymphatic endothelial cells in humans and mice**

Eichin, D., Pessia, A., Takeda, A., Laakkonen, J., Bellmann, L., Kankainen, M., Imhof, B. A., Stoitzner, P., Tang, J., Salmi, M. & Jalkanen, S., 12 jan. 2021, I: European Journal of Immunology. 51, 1, s. 231–246 16 s.

**Chloroplot: An Online Program for the Versatile Plotting of Organelle Genomes**

Zheng, S., Poczai, P., Hyvönen, J., Tang, J. & Amiryousefi, A., 25 sep. 2020, I: Frontiers in Genetics. 11, 8 s., 576124.

**Unsupervised Learning and Multipartite Network Models: A Promising Approach for Understanding Traditional Medicine**

Jafari, M., Wang, Y., Amiryousefi, A. & Tang, J., 26 aug. 2020, I: Frontiers in Pharmacology. 11, 10 s., 1319.

**Can We Assume the Gene Expression Profile as a Proxy for Signaling Network Activity?**

Piran, M., Karbalaeei, R., Piran, M., Aldahdooh, J., Mirzaie, M., Ansari-Pour, N., Tang, J. & Jafari, M., juni 2020, I: Biomolecules. 10, 6, 15 s., 850.

**Multi-parametric single cell evaluation defines distinct drug responses in healthy hematologic cells that are retained in corresponding malignant cell types**

Majumder, M. M., Leppä, A-M., Hellesøy, M., Dowling, P., Malyutina, A., Kopperud, R., Bazou, D., Andersson, E., Parsons, A., Tang, J., Kallioniemi, O., Mustjoki, S., O’Gorman, P., Wennerberg, K., Porkka, K., Gjertsen, B. T. & Heckman, C. A., juni 2020, I: Haematologica. 105, 6, s. 1527-1538 12 s.

**Exploration of databases and methods supporting drug repurposing: a comprehensive survey**

Rehman, Z. U., Seemab, U., Scherer, A., Wennerberg, K., Tang, J. & Vähä-Koskela, M., 14 feb. 2020, I: Briefings in Bioinformatics. 22, 2, s. 1656-1678 23 s.

**Combined gene essentiality scoring improves the prediction of cancer dependency maps**

Wang, W., Malyutina, A., Pessia, A., Saarela, J., Heckman, C. A. & Tang, J., dec. 2019, I: EBioMedicine. 50, s. 67-80 14 s.

**Predicting Meridian in Chinese traditional medicine using machine learning approaches**

Wang, Y., Jafari, M., Tang, Y. & Tang, J., 25 nov. 2019, I: PLoS Computational Biology. 15, 11, 21 s., 1007249.

**Network pharmacology modeling identifies synergistic Aurora B and ZAK interaction in triple-negative breast cancer**

Tang, J., Gautam, P., Gupta, A., He, L., Timonen, S., Akimov, Y., Wang, W., Szwajda, A., Jaiswal, A., Turei, D., Yadav, B., Kankainen, M., Saarela, J., Saez-Rodriguez, J., Wennerberg, K. & Aittokallio, T., 8 juli 2019, I: npj Systems Biology and Applications. 5, 1, 11 s., 20.

**DrugComb: an integrative cancer drug combination data portal**

Zagidullin, B., Aldahdooh, J., Zheng, S., Wang, W., Wang, Y., Saad, J., Malyutina, A., Jafari, M., Tanoli, Z., Pessia, A. & Tang, J., 2 juli 2019, I: Nucleic Acids Research. 47, W1, s. W43-W51 9 s.

**Community assessment to advance computational prediction of cancer drug combinations in a pharmacogenomic screen**

Menden, M. P., Wang, D., Mason, M. J., Szalai, B., Bulusu, K. C., Guan, Y., Yu, T., Kang, J., Jeon, M., Wolfinger, R., Nguyen, T., Zaslavskiy, M., Abante, J., Abecassis, B. S., Aben, N., Aghamirzaie, D., Aittokallio, T., Akhtari, F. S., Al-lazikani, B., Alam, T., & 280 andraAllam, A., Allen, C., de Almeida, M. P., Altarawy, D., Alves, V., Amadoz, A., Anchang, B., Antolin, A. A., Ash, J. R., Aznar, V. R., Ba-alawi, W., Bagheri, M., Bajic, V., Ball, G., Ballester, P. J., Baptista, D., Bare, C., Bateson, M., Bender, A., Bertrand, D., Wijayawardena, B., Borojevich, K. A., Bosdriesz, E., Bougouffa, S., Bounova, G., Brouwer, T., Bryant, B., Calaza, M., Calderone, A., Calza, S., Capuzzi, S., Carbonell-Caballero, J., Carlin, D., Carter, H., Castagnoli, L., Celebi, R., Cesareni, G., Chang, H., Chen, G., Chen, H., Chen, H., Cheng, L., Chernomoretz, A., Chicco, D., Cho, K-H., Cho, S., Choi, D., Choi, J., Choi, K., Choi, M., Cock, M. D., Coker, E., Cortes-Ciriano, I., Cserző, M., Cubuk, C., Curtis, C., Daele, D. V., Dang, C. C., Dijkstra, T., Dopazo, J., Draghici, S., Drosou, A., Dumontier, M., Ehrhart, F., Eid, F-E., ElHefnawi, M., Elmarakeby, H., van Engelen, B., Engin, H. B., de Esch, I., Evelo, C., Falcao, A. O., Farag, S., Fernandez-Lozano, C., Fisch, K., Flobak, A., Fornari, C., Foroushani, A. B. K., Fotso, D. C., Fourches, D., Friend, S.,

Frigessi, A., Gao, F., Gao, X., Gerold, J. M., Gestraud, P., Ghosh, S., Gillberg, J., Godoy-Lorite, A., Godynyuk, L., Godzik, A., Goldenberg, A., Gomez-Cabrero, D., Gonen, M., de Graaf, C., Gray, H., Grechkin, M., Guimera, R., Guney, E., Haibe-Kains, B., Han, Y., Hase, T., He, D., He, L., Heath, L. S., Hellton, K. H., Helmer-Citterich, M., Hidalgo, M. R., Hidru, D., Hill, S. M., Hochreiter, S., Hong, S., Hovig, E., Hsueh, Y.-C., Hu, Z., Huang, J. K., Huang, R. S., Hunyady, L., Hwang, J., Hwang, T. H., Hwang, W., Hwang, Y., Isayev, O., Don't Walk, O. B., Jack, J., Jahandideh, S., Ji, J., Jo, Y., Kamola, P. J., Kanev, G. K., Karacosta, L., Karimi, M., Kaski, S., Kazanov, M., Khamis, A. M., Khan, S. A., Kiani, N. A., Kim, A., Kim, J., Kim, J., Kim, K., Kim, K., Kim, S., Kim, Y., Kim, Y., Kirk, P. D. W., Kitano, H., Klambauer, G., Knowles, D., Ko, M., Kohn-Luque, A., Kooistra, A. J., Kuenemann, M. A., Kuiper, M., Kurz, C., Kwon, M., van Laarhoven, T., Laegreid, A., Lederer, S., Lee, H., Lee, J., Lee, Y. W., Lepp\_aho, E., Lewis, R., Li, J., Li, L., Liley, J., Lim, W. K., Lin, C., Liu, Y., Lopez, Y., Low, J., Lysenko, A., Machado, D., Madhukar, N., Maeyer, D. D., Malpartida, A. B., Mamitsuka, H., Marabita, F., Marchal, K., Martinen, P., Mason, D., Mazaheri, A., Mehmood, A., Mehreen, A., Michaut, M., Miller, R. A., Mitsopoulos, C., Modos, D., Moerbeke, M. V., Moo, K., Motsinger-Reif, A., Movva, R., Muraru, S., Muratov, E., Mushthofa, M., Nagarajan, N., Nakken, S., Nath, A., Neuvial, P., Newton, R., Ning, Z., Niz, C. D., Oliva, B., Olsen, C., Palmeri, A., Panesar, B., Papadopoulos, S., Park, J., Park, S., Park, S., Pawitan, Y., Peluso, D., Pendyala, S., Peng, J., Perfetto, L., Pirro, S., Plevritis, S., Politi, R., Poon, H., Porta, E., Prellner, I., Preuer, K., Pujana, M. A., Ramnarine, R., Reid, J. E., Reyat, F., Richardson, S., Ricketts, C., Rieswijk, L., Rocha, M., Rodriguez-Gonzalvez, C., Roell, K., Rotroff, D., de Ruiten, J. R., Rukawa, P., Sadacca, B., Safikhani, Z., Safitri, F., Sales-Pardo, M., Sauer, S., Schlichting, M., Seoane, J. A., Serra, J., Shang, M.-M., Sharma, A., Sharma, H., Shen, Y., Shiga, M., Shin, M., Shkedy, Z., Shopsowitz, K., Sinai, S., Skola, D., Smirnov, P., Soerensen, I. F., Soerensen, P., Song, J.-H., Song, S. O., Soufan, O., Spitzmueller, A., Steipe, B., Suphavitai, C., Tamayo, S. P., Tamborero, D., Tang, J., Tanoli, Z.-R., Tarres-Deulofeu, M., Tegner, J., Thommesen, L., Tonekaboni, S. A. M., Tran, H., Troyer, E. D., Truong, A., Tsunoda, T., Turu, G., Tzeng, G.-Y., Verbeke, L., Videla, S. & Consortium, A-S. D. C. DREAM, 17 juni 2019, I: Nature Communications. 10, 1, 17 s., 2674.

**Drug combination sensitivity scoring facilitates the discovery of synergistic and efficacious drug combinations in cancer**  
Malyutina, A., Majumder, M. M., Wang, W., Pessia, A., Heckman, C. A. & Tang, J., 20 maj 2019, I: PLoS Computational Biology. 15, 5, 19 s., 1006752.

**Loss-of-function mutations with circadian rhythm regulator Per1/Per2 lead to premature ovarian insufficiency**  
Zheng, Y., Liu, C., Li, Y., Jiang, H., Yang, P., Tang, J., Xu, Y., Wang, H. & He, Y., apr. 2019, I: Biology of Reproduction. 100, 4, s. 1066-1072 7 s.

**Making Sense of the Epigenome Using Data Integration Approaches**  
Cazaly, E., Saad, J., Wang, W., Heckman, C., Ollikainen, M. & Tang, J., 19 feb. 2019, I: Frontiers in Pharmacology. 10, 15 s., 126.

**Eltrombopag Promotes Megakaryocyte Survival and Signaling in the Presence of Specific Cytotoxic Agents**  
Javarappa, K. K., Tsillos, D., Zagidullin, B., Saad, J., Tang, J., Ramos, P. M., Pallaud, C. & Heckman, C. A., 3 dec. 2018.

**Drug Target Commons 2.0: a community platform for systematic analysis of drug target interaction profiles**  
Tanoli, Z., Alam, Z., Vähä-Koskela, M., Ravikumar, B., Malyutina, A., Jaiswal, A., Tang, J., Wennerberg, K. & Aittokallio, T., 13 sep. 2018, I: Database-The journal of biological databases and curation. 13 s., 083.

**Patient-Customized Drug Combination Prediction and Testing for T-cell Polymorphic Leukemia Patients**  
He, L., Tang, J., Andersson, E. I., Timonen, S., Koschmieder, S., Wennerberg, K., Mustjoki, S. & Aittokallio, T., 1 maj 2018, I: Cancer Research. 78, 9, s. 2407-2418 12 s.

**Discovery of novel drug sensitivities in T-PLL by high-throughput ex vivo drug testing and mutation profiling**  
Andersson, E. I., Pützer, S., Yadav, B., Dufva, O., Khan, S., He, L., Sellner, L., Schrader, A., Crispatsu, G., Oleś, M., Zhang, H., Adnan-Awad, S., Lagström, S., Bellanger, D., Mpindi, J. P., Eldfors, S., Pemovska, T., Pietarinen, P., Lauhio, A., Tomska, K., & 19 andraCuesta-Mateos, C., Faber, E., Koschmieder, S., Brümmendorf, T. H., Kytölä, S., Savolainen, E.-R., Siitonen, T., Ellonen, P., Kallioniemi, O., Wennerberg, K., Ding, W., Stern, M.-H., Huber, W., Anders, S., Tang, J., Aittokallio, T., Zenz, T., Herling, M. & Mustjoki, S., mars 2018, I: Leukemia. 32, 3, s. 774-787 14 s.

**Drug Target Commons: A Community Effort to Build a Consensus Knowledge Base for Drug-Target Interactions**  
Tang, J., Tanoli, Z.-R., Ravikumar, B., Alam, Z., Rebane, A., Vähä-Koskela, M., Peddinti, G., van Adrichem, A. J., Wakkinen, J., Jaiswal, A., Karjalainen, E., Gautam, P., He, L., Parri, E., Khan, S., Gupta, A., Ali, M., Yetukuri, L., Gustavsson, A.-L., Seashore-Ludlow, B., & 6 andraHersey, A., Leach, A. R., Overington, J. P., Repasky, G., Wennerberg, K. & Aittokallio, T., 15 feb. 2018, I: Cell chemical biology. 25, 2, s. 224-+ 8 s.

### **Eltrombopag Promotes Megakaryocyte Survival and Signaling in the Presence of Specific Cytotoxic Agents**

Javarappa, K. K., Tsallos, D., Zagidullin, B., Saad, J., Tang, J., Ramos, P. M., Pallaud, C. & Heckman, C. A., 2018, I: *Blood*. 132

### **Methods for High-throughput Drug Combination Screening and Synergy Scoring**

He, L., Kuleskiy, E., Saarela, J. S., Turunen, L. L., Wennerberg, J. K., Aittokallio, T. A. & Tang, J., 2018, *Cancer Systems Biology*. von Stechow, L. (red.). New York: Humana press, s. 351-398 48 s. (Methods in molecular biology; nr. 1711).

### **Multi-Parametric Single Cell Profiling Defines Distinct Drug Responses in Healthy Hematological Cell Lineages That Are Retained in Corresponding Malignant Cell Types**

Majumder, M. M., Leppä, A.-M., Hellesøy, M., Dowling, P., Malyutina, A., Bazou, D., Andersson, E. I., Parsons, A., Tang, J., Kallioniemi, O.-P., Mustjoki, S. M., O'Gorman, P., Wennerberg, J. K., Porkka, K. V. K., Gjertsen, B.-T. & Heckman, C. A., 2018, I: *Blood*. 132

### **A Community Challenge for Inferring Genetic Predictors of Gene Essentialities through Analysis of a Functional Screen of Cancer Cell Lines**

Gönen, M., Weir, B. A., Cowley, G. S., Vazquez, F., Guan, Y., Jaiswal, A., Karasuyama, M., Uzunangelov, V., Wang, T., Tsherniak, A., Howell, S., Marbach, D., Hoff, B., Norman, T. C., Airola, A., Bivol, A., Bunte, K., Carlin, D., Chopra, S., Deran, A., & 26 andraEllrott, K., Gopalacharyulu, P., Graim, K., Kaski, S., Khan, S. A., Newton, Y., Ng, S., Pahikkala, T., Paull, E., Sokolov, A., Tang, H., Tang, J., Wennerberg, K., Xie, Y., Zhan, X., Zhu, F., Aittokallio, T., Mamitsuka, H., Stuart, J. M., Boehm, J. S., Root, D. E., Xiao, G., Stolovitzky, G., Hahn, W. C., Margolin, A. A. & Broad-DREAM Community, 22 nov. 2017, I: *Cell Systems*. 5, 5, s. 485-+ 16 s.

### **The inconvenience of data of convenience: computational research beyond post-mortem analyses**

Azencott, C.-A., Aittokallio, T., Roy, S., Norman, T., Friend, S., Stolovitzky, G., Goldenberg, A., DREAM Idea Challenge Consortium & Tang, J., okt. 2017, I: *Nature methods*. 14, 10, s. 937-938 2 s.

### **JAK1/2 and BCL2 inhibitors synergize to counteract bone marrow stromal cell-induced protection of AML**

Karjalainen, R., Pemovska, T., Popa, M., Liu, M., Javarappa, K. K., Majumder, M. M., Yadav, B., Tamborero, D., Tang, J., Bychkov, D., Kontro, M., Parsons, A., Suvela, M., Safont, M. M., Porkka, K., Aittokallio, T., Kallioniemi, O., McCormack, E., Gjertsen, B. T., Wennerberg, K., & 2 andraKnowles, J. & Heckman, C. A., 10 aug. 2017, I: *Blood*. 130, 6, s. 789-802 14 s.

### **SynergyFinder: a web application for analyzing drug combination dose-response matrix data**

Ianevski, A., He, L., Aittokallio, T. & Tang, J., 1 aug. 2017, I: *Bioinformatics*. 33, 15, s. 2413-2415 3 s.

### **Seed-effect modeling improves the consistency of genome-wide loss-of-function screens and identifies synthetic lethal vulnerabilities in cancer cells**

Jaiswal, A., Peddinti, G., Akimov, Y., Wennerberg, K., Kuznetsov, S., Tang, J. & Aittokallio, T., 1 juni 2017, I: *Genome medicine*. 9, 15 s., 51.

### **Treatment of novel IL17A inhibitor in glioblastoma implementing 3rd generation co-culture cell line and patient-derived tumor model**

Khan, M. S. S., Asif, M., Basheer, M. K. A., Kang, C. W., Al-Suede, F. S., Ein, O. C., Tang, J., Majid, A. S. A. & Majid, A. M. S. A., 15 maj 2017, I: *European Journal of Pharmacology*. 803, s. 24-38 15 s.

### **Systematic drug sensitivity testing reveals synergistic growth inhibition by dasatinib or mTOR inhibitors with paclitaxel in ovarian granulosa cell tumor cells**

Haltia, U.-M., Andersson, N., Yadav, B., Farkkila, A., Kuleskiy, E., Kankainen, M., Tang, J., Butzow, R., Riska, A., Leminen, A., Heikinheimo, M., Kallioniemi, O., Unkila-Kallio, L., Wennerberg, K., Aittokallio, T. & Anttonen, M., mars 2017, I: *Gynecologic Oncology*. 144, 3, s. 621-630 10 s.

### **Informatics Approaches for Predicting, Understanding, and Testing Cancer Drug Combinations**

Tang, J., 2017, *Kinase Signaling Networks*. Tan, A.-C. & Huang, P. H. (red.). 1st ed. red. New York: Humana press, s. 485-506 22 s. ( Methods in Molecular Biology; vol. 1636).

### **Crowdsourced assessment of common genetic contribution to predicting anti-TNF treatment response in rheumatoid arthritis**

Sieberts, S. K., Zhu, F., Garcia-Garcia, J., Stahl, E., Pratap, A., Pandey, G., Pappas, D., Aguilar, D., Anton, B., Bonet, J., Eksi, R., Fornes, O., Guney, E., Li, H., Marin, M. A., Panwar, B., Planas-Iglesias, J., Poglayen, D., Cui, J., Falcao, A. O., & 31 andraSuver, C., Hoff, B., Balagurusamy, V. S. K., Dillenberger, D., Neto, E. C., Norman, T., Aittokallio, T., Ammadud-din, M., Azencott, C-A., Bellon, V., Boeva, V., Bunte, K., Chheda, H., Cheng, L., Corander, J., Dumontier, M., Goldenberg, A., Gopalacharyulu, P., Hajiloo, M., Hidru, D., Jaiswal, A., Kaski, S., Khalfaoui, B., Khan, S. A., Kramer, E. R., Marttinen, P., Pirinen, M., Saarela, J., Tang, J., Wennerberg, K. & Rheumatoid Arth Challenge, aug. 2016, I: Nature Communications. 7, 9 s., 12460.

### **From drug response profiling to target addiction scoring in cancer cell models**

Yadav, B., Gopalacharyulu, P., Pemovska, T., Khan, S. A., Szwajda, A., Tang, J., Wennerberg, K. & Aittokallio, T., okt. 2015, I: Disease Models & Mechanisms. 8, 10, s. 1255-1264 10 s.

### **What is synergy? The Saariselka agreement revisited**

Tang, J., Wennerberg, K. & Aittokallio, T., 1 sep. 2015, I: Frontiers in Pharmacology. 6, 5 s., 181.

### **Systematic Mapping of Kinase Addiction Combinations in Breast Cancer Cells by Integrating Drug Sensitivity and Selectivity Profiles**

Szwajda, A., Gautam, P., Karhinen, L., Jha, S. K., Saarela, J., Shakyawar, S., Turunen, L., Yadav, B., Tang, J., Wennerberg, K. & Aittokallio, T., 20 aug. 2015, I: Chemistry & Biology. 22, 8, s. 1144-1155 12 s.

### **TIMMA-R: an R package for predicting synergistic multi-targeted drug combinations in cancer cell lines or patient-derived samples**

He, L., Wennerberg, K., Aittokallio, T. & Tang, J., 1 juni 2015, I: Bioinformatics. 31, 11, s. 1866-1868 3 s.

### **A Bayesian Predictive Model for Clustering Data of Mixed Discrete and Continuous Type**

Blomstedt, P., Tang, J., Xiong, J., Granlund, C. & Corander, J., mars 2015, I: IEEE Transactions on Pattern Analysis and Machine Intelligence. 37, 3, s. 489-498 10 s.

### **Toward more realistic drug-target interaction predictions**

Pahikkala, T., Airola, A., Pietila, S., Shakyawar, S., Szwajda, A., Tang, J. & Aittokallio, T., mars 2015, I: Briefings in Bioinformatics. 16, 2, s. 325-337 13 s.

### **Network pharmacology applications to map the unexplored target space and therapeutic potential of natural products**

Kibble, M., Saarinen, N., Tang, J., Wennerberg, K., Makela, S. & Aittokallio, T., 2015, I: Natural Product Reports. 32, 8, s. 1249-1266 18 s.

### **Prediction of human population responses to toxic compounds by a collaborative competition**

Eduati, F., Mangravite, L. M., Wang, T., Tang, H., Bare, J. C., Huang, R., Norman, T., Kellen, M., Menden, M. P., Yang, J., Zhan, X., Zhong, R., Xiao, G., Xia, M., Abdo, N., Kosyk, O., Friend, S., Dearry, A., Simeonov, A., Tice, R. R., & 100 andra Rusyn, I., Wright, F. A., Stolovitzky, G., Xie, Y., Saez-Rodriguez, J., Aittokallio, T., Alaimo, S., Amadoz, A., Ammadud-din, M., Azencott, C-A., Bacardit, J., Barron, P., Bernard, E., Beyer, A., Bin, S., van Bömmel, A., Borgwardt, K., Brys, A. M., Caffrey, B., Chang, J., Chang, J., Chheda, H., Christodoulou, E. G., Clément-Ziza, M., Cohen, T., Cowherd, M., Demeyer, S., Dopazo, J., Elhard, J. D., Falcao, A. O., Ferro, A., Friedenber, D. A., Giugno, R., Gong, Y., Gorospe, J. W., Granville, C. A., Grimm, D., Heinig, M., Hernansaiz, R. D., Hintsanen, P., Hochreiter, S., Huang, L-C., Huska, M., Jaiswal, A., Jiao, Y., Kaski, S., Kaur, I., Khana, S. A., Klambauer, G., Krasnogor, N., Kuhn, M., Kursu, M. B., Kutum, R., Lazzarini, N., Lee, I., Leung, M. K. K., Lim, W. K., Liu, C., López, F. L., Mammana, A., Mayr, A., Michael, T., Mongiovi, M., Moore, J. D., Mpindi, J-P., Narasimhan, R., Opiyo, S. O., Pandey, G., Peabody, A. L., Perner, J., Poso, A., Pulvirenti, A., Rawlik, K., Reinhardt, S., Riffle, C. G., Ruderfer, D., Sander, A. J., Savage, R. S., Scornet, E., Sebastian-Leon, P., Sharan, R., Simon-Gabriel, C. J., Stoven, V., Sun, J., Tang, J., Teixeira, A. L., Tenesa, A., Vert, J-P., Vingron, M., Walter, T., Wennerberg, K., Whalen, S., Wiśniewska, Z., Wu, Y., Xu, H., Zhang, S., Zhao, J., Zheng, W. J., Ziwei, D. & Collaboration, T. NIEHS-NCATS-UNC. DREAM. T., 2015, I: Nature Biotechnology. 33, 9, s. 933-940 8 s.

### **Searching for Drug Synergy in Complex Dose-Response Landscapes Using an Interaction Potency Model**

Yadav, B., Wennerberg, K., Aittokallio, T. & Tang, J., 2015, I: Computational and Structural Biotechnology Journal. 13, s. 504 - 513 10 s.



**Making Sense of Large-Scale Kinase Inhibitor Bioactivity Data Sets: A Comparative and Integrative Analysis**

Tang, J., Szwajda, A., Shakyawar, S., Xu, T., Hintsanen, P., Wennerberg, K. & Aittokallio, T., mars 2014, I: Journal of Chemical Information and Modeling. 54, 3, s. 735-743 9 s.

**Network Pharmacology Strategies Toward Multi-Target Anticancer Therapies: From Computational Models to Experimental Design Principles**

Tang, J. & Aittokallio, T., jan. 2014, I: Current Pharmaceutical Design. 20, 1, s. 23-36 14 s.

**Target Inhibition Networks: Predicting Selective Combinations of Druggable Targets to Block Cancer Survival Pathways**

Tang, J., Karhinen, L., Xu, T., Szwajda, A., Yadav, B., Wennerberg, K. & Aittokallio, T., sep. 2013, I: PLoS Computational Biology. 9, 9, s. Article Number: e1003226 16 s.

**Genomic, Transcriptomic, and Lipidomic Profiling Highlights the Role of Inflammation in Individuals With Low High-density Lipoprotein Cholesterol**

Laurila, P-P., Surakka, I., Sarin, A-P., Yetukuri, L., Hyötyläinen, T., Söderlund, S., Naukkarinen, J., Tang, J., Kettunen, J., Mirel, D. B., Soronen, J., Lehtimäki, T., Ruukonen, A., Ehnholm, C., Eriksson, J. G., Salomaa, V., Jula, A., Raitakari, O. T., Jarvelin, M-R., Palotie, A., & 5 andraPalotie, L., Oresic, M., Jauhiainen, M., Taskinen, M-R. & Ripatti, S., apr. 2013, I: Arteriosclerosis, Thrombosis, and Vascular Biology. 33, 4, s. 847-U510 39 s.

**Phospholipids and insulin resistance in psychosis: a lipidomics study of twin pairs discordant for schizophrenia**

Oresic, M., Seppänen-Laakso, T., Sun, D., Tang, J., Therman, S., Viehman, R., Mustonen, U., van Erp, T. G. M., Hyötyläinen, T., Thompson, P., Toga, A. W., Huttunen, M. O., Suvisaari, J., Kaprio, J., Lönnqvist, J. & Cannon, T. D., 2012, I: Genome medicine. 4, 1, 11 s.

**Association of Lipidome Remodeling in the Adipocyte Membrane with Acquired Obesity in Humans**

Pietiläinen, K. H., Rog, T., Seppänen-Laakso, T., Virtue, S., Gopalacharyulu, P., Tang, J., Rodriguez-Cuenca, S., Maciejewski, A., Naukkarinen, J., Ruskeepää, A-L., Niemela, P. S., Yetukuri, L., Tan, C. Y., Velagapudi, V., Castillo, S., Nygren, H., Hyötyläinen, T., Rissanen, A., Kaprio, J., Yki-Järvinen, H., & 3 andraVattulainen, I., Vidal-Puig, A. & Oresic, M., 2011, I: PLoS Biology. 9, 6, s. - 14 s.

**Metabolome in schizophrenia and other psychotic disorders: a general population study.**

Orešič, M., Tang, J., Seppänen-Laakso, T., Mattila, I., Saarni, S. E. M., Saarni, S. I., Lönnqvist, J., Sysiaho, M., Hyötyläinen, T., Perala, J. & Suvisaari, J., 2011, I: Genome medicine. 3, 19, 14 s.

**Bayesian clustering of fuzzy feature vectors using a quasi-likelihood approach**

Marttinen, P., Tang, J., De Baets, B., Dawyndt, P. & Corander, J., 2009, I: IEEE Transactions on Pattern Analysis and Machine Intelligence. 31, 1, s. 74-85 12 s.

**Hyper-Recombination, Diversity, and Antibiotic Resistance in Pneumococcus**

Hanage, W. P., Fraser, C., Tang, J., Connor, T. R. & Corander, J., 2009, I: Science. 324, 5933, s. 1454-1457 4 s.

**Identifying currents in the gene pool for bacterial populations using an integrative approach**

Tang, J., Hanage, W., Fraser, C. & Corander, J., 2009, I: PLoS Computational Biology. 5, 8, s. e1000455 18 s.

**Integrating post-genomic approaches as a strategy to advance our understanding of health and disease**

Tang, J., Tan, C., Oresic, M. & Vidal-Puig, A., 2009, I: Genome medicine. 1, 3, s. 35 1 s.

**Enhanced Bayesian modelling in BAPS software for learning genetic structures of populations**

Corander, J., Marttinen, P., Siren, J. & Tang, J., 2008, I: BMC Bioinformatics. 9, 14 s.

**Bayesian analysis of population structure based on linked molecular information**

Corander, J. & Tang, J., 2007, I: Mathematical Biosciences. 205, 1, s. 19-31 13 s.

**T-BAPS: A bayesian statistical tool for comparison of microbial communities using terminal-restriction fragment length polymorphism (T-RFLP) data**

Tang, J., Tao, J., Urakawa, H. & Corander, J., 2007, I: Statistical applications in genetics and molecular biology. 6, 1, s. Article 30 20 s.

## **!!Projects**

**Cancer society of Finland - Individualized drug target combinations: prediction, testing and translation**

Tang, J., Aittokallio, T. & Wennerberg, K.

01/01/2015 → 31/12/2016

**DrugComb: ERC Starting Grant: Informatics approaches for the rational selection of personalized cancer drug combinations**

Tang, J.

01/06/2017 → 31/05/2022

**Network pharmacological modeling and drug screening of invasive functional genes in papillary thyroid carcinoma**

Tang, J.

Suomen Akatemia Projektilaskutus

01/03/2023 → 28/02/2025

**Personalizing health and care - creating medically-driven integrative bioinformatics applications focused on oncology, CNS disorders and their comorbidities**

Aittokallio, T. & Tang, J.

01/05/2015 → 30/04/2017

**Prediction of synergistic anticancer drug combinations and their potential side-effects by integrating transcriptional and pharmacological data**

Tang, J., Kibble, M. M. & Aittokallio, T.

01/01/2013 → 31/12/2013

**ReSisTrace: Resistentejä syöpäsoluja jäljittäen lääkeyhdistelmien rationaaliseen suunnitteluun**

Bao, J., Gao, L. & Tang, J.

Finlands Akademi

01/09/2022 → 31/08/2026

**CONTROL: Synthetic controllability of biological networks through understanding and engineering their control elements**

Aittokallio, T. & Tang, J.

01/09/2013 → 31/08/2017

## **Aktiviteter**

**European Bioinformatics Institute**

Jing Tang (Besökande forskare)

1 dec. 2013 → 13 dec. 2013

**European Bioinformatics Institute**

Jing Tang (Besökande forskare)

1 okt. 2013 → 9 okt. 2013

**Blavatnik School of Computer Science, Tel-Aviv University**

Jing Tang (Besökande forskare)

1 nov. 2009 → 1 dec. 2009

