

References

- [1] Babak Alipanahi, Nathan Krislock, Ali Ghodsi, Henry Wolkowicz, Logan Donaldson, and Ming Li. Protein structure by semidefinite facial reduction. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 1–11. Springer-Verlag, Berlin-Heidelberg, 2012.
- [2] Sivan Bercovici, Jesse M. Rodriguez, Megan Elmore, and Serafim Batzoglou. Ancestry inference in complex admixtures via variable-length markov chain linkage models. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 12–28. Springer-Verlag, Berlin-Heidelberg, 2012.
- [3] Stefan Canzar, Mohammed El-Kebir, René Pool, Khaled Elbassioni, Alpesh K. Malde, Alan E. Mark, and Daan P. Geerke. Charge group partitioning in biomolecular simulation. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 29–43. Springer-Verlag, Berlin-Heidelberg, 2012.
- [4] Hector Corrada Bravo. Increased methylation variation in epigenetic domains across cancer types. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 44–44. Springer-Verlag, Berlin-Heidelberg, 2012.
- [5] Dan F. DeBlasio, Travis J. Wheeler, and John D. Kececioglu. Estimating the accuracy of multiple alignments and its use in parameter advising. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 45–59. Springer-Verlag, Berlin-Heidelberg, 2012.

- [6] Matthew R. Francis and Elana J. Fertig. Quantifying the dynamics of coupled networks of switches and oscillators. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 60–61. Springer-Verlag, Berlin-Heidelberg, 2012.
- [7] Melissa Gymrek, David Golan, Saharon Rosset, and Yaniv Erlich. lobstr: A short tandem repeat profiler for personal genomes. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 62–63. Springer-Verlag, Berlin-Heidelberg, 2012.
- [8] Dan He, Buhm Han, and Eleazar Eskin. Hap-seq: An optimal algorithm for haplotype phasing with imputation using sequencing data. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 64–78. Springer-Verlag, Berlin-Heidelberg, 2012.
- [9] Lu He, Fabio Vandin, Gopal Pandurangan, and Chris Bailey-Kellogg. BALLAST: A ball-based algorithm for structural motifs. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 79–93. Springer-Verlag, Berlin-Heidelberg, 2012.
- [10] Patrick Holloway, Krister Swenson, David Ardell, and Nadia El-Mabrouk. Evolution of genome organization by duplication and loss: An alignment approach. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 94–112. Springer-Verlag, Berlin-Heidelberg, 2012.
- [11] Daniel Holtby, Shuai Cheng Li, and Ming Li. Loopweaver — loop modeling by the weighted scaling of verified proteins. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain,*

April 21-24, 2012), volume 7262 of *LNCS*, pages 113–126. Springer-Verlag, Berlin-Heidelberg, 2012.

- [12] Yan Huang, Yin Hu, Corbin D. Jones, James N. MacLeod, Derek Y. Chiang, Yufeng Liu, Jan F. Prins, and Jinze Liu. A robust method for transcript quantification with rna-seq data. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 127–147. Springer-Verlag, Berlin-Heidelberg, 2012.
- [13] Marcus Kinsella and Vineet Bafna. Modeling the breakage-fusion-bridge mechanism: Combinatorics and cancer genomics. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 148–162. Springer-Verlag, Berlin-Heidelberg, 2012.
- [14] Yang Li, Hong-Mei Li, Paul Burns, Mark Borodovsky, Gene E. Robinson, and Jian Ma. Truesight: Self-training algorithm for splice junction detection using rna-seq. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 163–164. Springer-Verlag, Berlin-Heidelberg, 2012.
- [15] Yaw-Ling Lin, Charles Ward, and Steven Skiena. Synthetic sequence design for signal location search. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 165–179. Springer-Verlag, Berlin-Heidelberg, 2012.
- [16] Marc A. Marti-Renom. The three-dimensional architecture of a bacterial genome and its alteration by genetic perturbation. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 180–180. Springer-Verlag, Berlin-Heidelberg, 2012.

- [17] Andrew McPherson, Chunxiao Wu, Alexander Wyatt, Sohrab Shah, Colin Collins, and S. Cenk Sahinalp. Discovery of complex genomic rearrangements in cancer using high-throughput sequencing. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 181–182. Springer-Verlag, Berlin-Heidelberg, 2012.
- [18] T.M. Murali, Matthew D. Dyer, David Badger, Brett M. Tyler, and Michael G. Katze. Network-based prediction and analysis of hiv dependency factors. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 183–183. Springer-Verlag, Berlin-Heidelberg, 2012.
- [19] Andrew S. Parker, Karl E. Griswold, and Chris Bailey-Kellogg. Structure-guided deimmunization of therapeutic proteins. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 184–198. Springer-Verlag, Berlin-Heidelberg, 2012.
- [20] Dmitri Pervouchine, Ekaterina Khrameeva, Marina Pichugina, Olexii Nikolaienko, Mikhail Gelfand, Petr Rubtsov, and Andrei Mironov. Evidence for widespread association of mammalian splicing and conserved long-range rna structures. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 199–199. Springer-Verlag, Berlin-Heidelberg, 2012.
- [21] Son K. Pham, Dmitry Antipov, Alexander Sirotkin, Glenn Tesler, Pavel A. Pevzner, and Max A. Alekseyev. Pathset graphs: A novel approach for comprehensive utilization of paired reads in genome assembly. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 200–212. Springer-Verlag, Berlin-Heidelberg, 2012.

- [22] Imran Rauf, Florian Rasche, François Nicolas, and Sebastian Böcker. Finding maximum colorful subtrees in practice. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 213–223. Springer-Verlag, Berlin-Heidelberg, 2012.
- [23] Sebastien Roch and Sagi Snir. Recovering the tree-like trend of evolution despite extensive lateral genetic transfer: A probabilistic analysis. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 224–238. Springer-Verlag, Berlin-Heidelberg, 2012.
- [24] Sayed Mohammad Ebrahim Sahraeian and Byung-Jun Yoon. Resque: Network reduction using semi-markov random walk scores for efficient querying of biological networks. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 239–240. Springer-Verlag, Berlin-Heidelberg, 2012.
- [25] Raheleh Salari, Chava Kimchi-Sarfaty, Michael M. Gottesman, and Teresa M. Przytycka. Detecting snp-induced structural changes in rna: Application to disease studies. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 241–243. Springer-Verlag, Berlin-Heidelberg, 2012.
- [26] David Sankoff, Chunfang Zheng, and Baoyong Wang. A model for biased fractionation after whole genome duplication. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 244–244. Springer-Verlag, Berlin-Heidelberg, 2012.
- [27] Christina Schmiedl, Mathias Möhl, Steffen Heyne, Mika Amit, Gad M. Landau, Sebastian Will, and Rolf Backofen. Exact pattern matching for

- rna structure ensembles. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 245–260. Springer-Verlag, Berlin-Heidelberg, 2012.
- [28] Roded Sharan and Richard M. Karp. Reconstructing boolean models of signaling. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 261–271. Springer-Verlag, Berlin-Heidelberg, 2012.
- [29] Kai Song, Jie Ren, Zhiyuan Zhai, Xuemei Liu, Minghua Deng, and Fengzhu Sun. Alignment-free sequence comparison based on next generation sequencing reads. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 272–285. Springer-Verlag, Berlin-Heidelberg, 2012.
- [30] Rory Stark. Differential oestrogen receptor binding is associated with clinical outcome in breast cancer. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 286–286. Springer-Verlag, Berlin-Heidelberg, 2012.
- [31] Nurcan Tuncbag, Alfredo Braunstein, Andrea Pagnani, Shao-Shan Carol Huang, Jennifer Chayes, Christian Borgs, Riccardo Zecchina, and Ernest Fraenkel. Simultaneous reconstruction of multiple signaling pathways via the prize-collecting steiner forest problem. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 287–301. Springer-Verlag, Berlin-Heidelberg, 2012.
- [32] Hua Wang, Heng Huang, and Chris Ding. Function-function correlated multi-label protein function prediction over interaction networks. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology,*

RECOMB'2012 (Barcelona, Spain, April 21-24, 2012), volume 7262 of *LNCS*, pages 302–313. Springer-Verlag, Berlin-Heidelberg, 2012.

- [33] Hua Wang, Heng Huang, Chris Ding, and Feiping Nie. Predicting protein-protein interactions from multimodal biological data sources via nonnegative matrix tri-factorization. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 314–325. Springer-Verlag, Berlin-Heidelberg, 2012.
- [34] Zhanyong Wang, Farhad Hormozdiari, Wen-Yun Yang, Eran Halperin, and Eleazar Eskin. Cnvem: Copy number variation detection using uncertainty of read mapping. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 326–340. Springer-Verlag, Berlin-Heidelberg, 2012.
- [35] Sebastian Will, Michael Yu, and Bonnie Berger. Structure-based whole genome realignment reveals many novel non-coding rnas. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 341–341. Springer-Verlag, Berlin-Heidelberg, 2012.
- [36] Osvaldo Zagordi, Armin Töpfer, Sandhya Prabhakaran, Volker Roth, Eran Halperin, and Niko Beerenwinkel. Probabilistic inference of viral quasispecies subject to recombination. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012 (Barcelona, Spain, April 21-24, 2012)*, volume 7262 of *LNCS*, pages 342–354. Springer-Verlag, Berlin-Heidelberg, 2012.
- [37] ZhiZhuo Zhang, Cheng Wei Chang, Willy Hugo, Edwin Cheung, and Wing-Kin Sung. Simultaneously learning dna motif along with its position and sequence rank preferences through em algorithm. In Benny Chor, editor, *Proceedings of the 16th Annual International Conference on Research in Computational Molecular Biology, RECOMB'2012*

(*Barcelona, Spain, April 21-24, 2012*), volume 7262 of *LNCS*, pages 355–370. Springer-Verlag, Berlin-Heidelberg, 2012.