



Micha Adler, Ph.D., Associate

Practice Areas	Intellectual Property Patent Prosecution and Counseling
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Professional Summary

Dr. Adler is an attorney on Procopio's Intellectual Property team focusing on U.S. and foreign patent prosecution. Dr. Adler has represented clients in a range of technologies including software-defined networking, machine learning, chip design, radar systems, and video encoding. Dr. Adler also has experience building patent portfolios for both start-up and established companies.

Dr. Adler's experience before becoming a patent attorney includes research in the Physics Department at the University of California, San Diego in the field of microfluidics, culminating in a Ph.D.; externing for the Patent Pilot Program in the Central District of California; and working on patent litigation in the life sciences, electronic, and computer fields.

Representative Matters

- Prepared and prosecuted patents covering various aspects of software-defined networking.
- Prepared and prosecuted patents covering various innovations in machine learning and applications of machine learning.
- Provided analysis of video coding patents for submission as standard essential patents.
- Prepared patents relating to various aspects of a novel radar system to create a portfolio for a start-up company.
- Worked with foreign counsel to secure patents in multiple foreign jurisdictions.

Education

- J.D., University of Southern California Gould School of Law, 2014
- Ph.D., Physics (Biophysics), University of California, San Diego, 2012
- M.S., Physics, University of California, San Diego, 2007
- B.S., Applied Physics Engineering, Columbia University, 2005

News Coverage

- Kamila Knaut. "On the Move: Procopio Welcomes Micha Adler," *L.A. Daily Journal*, December 7, 2020.

Publications

- M. Adler, M. Erickstad, E. Gutierrez, and A. Groisman, "Studies of bacterial aerotaxis in a microfluidic device," *Lab on a Chip* 12, 4835-4847 (2012)
- M. Adler and A. Groisman, "Linear conversion of pressure into concentration, rapid switching of concentration, and generation of linear ramps of concentration in a microfluidic device," *Biomicrofluidics* 6, 024109 (2012)
- K. Takeda, D. Shao, M. Adler, P. G. Charest, W. F. Loomis, H. Levine, A. Groisman, W. J. Rappel, and R. A. Firtel, "Incoherent Feedforward Control Governs Adaptation of Activated Ras in a Eukaryotic Chemotaxis Pathway," *Science Signaling* 5, ra2 (2012)
- M. Skoge, M. Adler, A. Groisman, H. Levine, W. F. Loomis, and W. J. Rappel, "Gradient sensing in defined chemotactic fields," *Integrative Biology* 2, 659-668 (2010)
- M. Adler, M. Polinkovsky, E. Gutierrez, and A. Groisman, "Generation of oxygen gradients with arbitrary shapes in a microfluidic device," *Lab on a Chip*, 10, 388-391 (2010)
- D. Fuller, W. Chen, M. Adler, A. Groisman, H. Levine, W. J. Rappel, and W. F. Loomis, "External and internal constraints on eukaryotic chemotaxis," *PNAS* 107, 9656-9659 (2010)
- C. Yu, T. Luo, B. Zhang, Z. Pan, M. Adler, Y. Wang, J.E. McGeehan, and A.E. Willner, "Wavelength-Shift-Free 3R Regenerator for 40-Gbit/s RZ System by Optical Parametric Amplification in Fiber," *IEEE Photonics Technology Letters*, vol. 18, no. 24, pp. 2569-2571 (2006)
- T. Luo, C. Yu, Z. Pan, Y. Wang, J.E. McGeehan, M. Adler, and A.E. Willner, "All-Optical Chromatic

Dispersion Monitoring of a 40-Gbit/s RZ Signal by Measuring the XPM-Generated Optical Tone Power in a Highly-Nonlinear Fiber," IEEE Photonics Technology Letters, vol. 18, pp. 430-432 (2006)

- C. Yu, T. Luo, B. Zhang, Z. Pan, M. Adler, Y. Wang, J. McGeehan, and A.E. Willner, "3R Regeneration of a 40-Gbit/s Optical Signal by Optical Parametric Amplification in a Highly-Nonlinear Fiber," IEEE/OSA Conference on Optical Fiber Communications (OFC) '05, paper OTuO1, Anaheim, CA, March 2005 (Optical Society of America, Washington, D.C., 2005)
- T. Luo, Z. Pan, C. Yu, L. Yan, S. Kumar, B. Zhang, M. Adler, A. E. Willner, and S. Yao, "Optical-Fiber-Based Autocorrelation Technique Using a Tunable DGD Element and Highly-Nonlinear Fiber," Optical Fiber Communication Conference and Exposition and The National Fiber Optic Engineers Conference, Technical Digest (CD) (Optical Society of America, 2005), paper OFH6
- C. Yu, Z. Pan, T. Luo, S. Kumar, L.-S. Yan, B. Zhang, L. Zhang, Y. Wang, M. Adler, and A.E. Willner, "160-GHz Pulse Generator Using a 40-GHz Phase Modulator and PM Fiber," IEEE/OSA Conference on Optical Fiber Communications (OFC) '05, paper OThR5, Anaheim, CA, March 2005 (Optical Society of America, Washington, D.C., 2005)