



Sebastian Wachsmann-Hogiu, Ph.D., Post-Doc

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| Languages | French, German, Romanian |
| Education | Post-Doc, Carnegie Mellon University, Pittsburg, Pennsylvania, 2002 Ph.D., Humboldt University, Charite, Berlin, 2000 B.Sc./M.Sc., Bucharest University in Romania, Romania, 1992 |
| Fellowships | Max-Born-Institute for Nonlinear Optics and Ultrafast Spectroscopy, Berlin, 1997 |
| Professional Memberships | American Chemical Society American Physical Society Biophysical Society |
| Select Recent Publications | Chu K, Smith ZJ, Wachsmann-Hogiu S, Lane S. Super-resolved spatial light interference microscopy. <i>J Opt Soc Am A Opt Image Sci Vis</i> . 2012 Mar 1;29(3):344-51. doi: 10.1364/JOSAA.29.000344. Knorr F, Yankelevich DR, Liu J, Wachsmann-Hogiu S, Marcu L. Two-photon excited fluorescence lifetime measurements through a double-clad photonic crystal fiber for tissue micro-endoscopy. <i>J Biophotonics</i> . 2012 Jan;5(1):14-9. doi: 10.1002/jbio.201100070. Epub 2011 Nov 2. Smith ZJ, Huser TR, Wachsmann-Hogiu S. Raman scattering in pathology. <i>Anal Cell Pathol (Amst)</i> . 2012;35(3):145-63. Smith ZJ, Knorr F, Pagba CV, Wachsmann-Hogiu S. Rejection of fluorescence background in resonance and spontaneous Raman microspectroscopy. <i>J Vis Exp</i> . 2011 May 18;(51). pii: 2592. doi: 10.3791/2592. Smith ZJ, Strombom S, Wachsmann-Hogiu S. Multivariate optical computing using a digital micromirror device for fluorescence and Raman spectroscopy. <i>Opt Express</i> . 2011 Aug 29;19(18):16950-62. doi: 10.1364/OE.19.016950. Smith ZJ, Chu K, Espenson AR, Rahimzadeh M, Gryshuk A, Molinaro M, Dwyre DM, Lane S, Matthews D, Wachsmann-Hogiu S. Cell-phone-based platform for biomedical device development |



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