

## Cellvizio® Bibliography

December 2, 2010

### 1 Peer reviewed publications

#### A GI

Found here <http://www.maunakeatech.com/healthcare-professionals/445/bibliography>.

#### 2010

- [Atiq 10]** M. Atiq, M. Javle, S. Dang and J.H. Lee. *Cholangiocarcinoma: an endoscopist's perspective*. Expert Review of Gastroenterology & Hepatology, volume 4, number 5, pages 601–611, 2010
- [Bajbouj 10]** M. Bajbouj, S. von Delius, V. Becker, A. Jung and A. Meining. *Confocal laser scanning endomicroscopy for in vivo histopathology of the gastrointestinal tract and beyond – an update*. Arab Journal of Gastroenterology, volume 11, number 4, pages 181–186, 2010
- [Buchner 10a]** A.M. Buchner, M.W. Shahid, M.G. Heckman, M. Krishna, M. Ghabril, M. Hasan, J.E. Crook, V. Gomez, M. Raimondo, T. Woodward, H.C. Wolfsen and M.B. Wallace. *Comparison of probe-based confocal laser endomicroscopy with virtual chromoendoscopy for classification of colon polyps*. Gastroenterology, volume 138, number 3, pages 834–842, 2010
- [De Palma 10]** G.D. De Palma, S. Staibano, S. Siciliano, M. Persico, S. Masone, F. Maione, M. Siano, M. Mascolo, D. Esposito, F. Salvatori and G. Persico. *In vivo characterisation of superficial colorectal neoplastic lesions with high-resolution probe-based confocal laser endomicroscopy in combination with video-mosaicing: A feasibility study to enhance routine endoscopy*. Digestive and Liver Disease : Official Journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver, volume 42, number 11, pages 791–797, 2010
- [Gomez 10]** V. Gomez, A.M. Buchner, E. Dekker, F.J. van den Broek, A. Meining, M.W. Shahid, M.S. Ghabril, P. Fockens, M.G. Heckman and M.B. Wallace. *Interobserver agreement and accuracy among international experts with probe-based confocal laser endomicroscopy in predicting colorectal neoplasia*. Endoscopy, volume 42, number 4, pages 286–291, 2010
- [Konda 10]** V.J. Konda, J.S. Chennat, J. Hart and I. Waxman. *Confocal laser endomicroscopy: potential in the management of Barrett's esophagus*. Diseases of the Esophagus : Official Journal of the International Society for Diseases of the Esophagus / I.S.D.E, 2010
- [Liu 10]** J.J. Liu, K.L. Madsen, P. Boulanger, L.A. Dieleman, J. Meddings and R.N. Fedorak. *Mind the gaps: Confocal endomicroscopy showed increased density of small bowel epithelial gaps in inflammatory bowel disease*. Journal of Clinical Gastroenterology, volume Epub ahead of print, 2010
- [Loeser 10]** C.S. Loeser, M.E. Robert, A. Mennone, M.H. Nathanson and P. Jamidar. *Confocal endomicroscopic examination of malignant biliary strictures and histologic correlation with lymphatics*. Journal of Clinical Gastroenterology, volume Epub ahead of print, 2010
- [Neumann 10]** H. Neumann, R. Kiesslich, M.B. Wallace and M.F. Neurath. *Confocal laser endomicroscopy: Technical advances and clinical applications*. Gastroenterology, 2010

**[Shahid 10]** M.W. Shahid and M.B. Wallace. *Endoscopic imaging for the detection of esophageal dysplasia and carcinoma*. Gastrointestinal Endoscopy Clinics of North America, volume 20, number 1, pages 11–24, v, 2010

**[Wallace 10a]** M.B. Wallace and R. Kiesslich. *Advances in endoscopic imaging of colorectal neoplasia*. Gastroenterology, volume 138, number 6, pages 2140–2150, 2010

**[Wallace 10b]** M.B. Wallace, A. Meining, M.I. Canto, P. Fockens, S. Miehke, T. Roesch, C.J. Lightdale, H. Pohl, D. Carr-Locke, M. Lohr, E. Coron, B. Filoche, M. Giovannini, J. Moreau, C. Schmidt and R. Kiesslich. *The safety of intravenous fluorescein for confocal laser endomicroscopy in the gastrointestinal tract*. Alimentary Pharmacology & Therapeutics, volume 31, number 5, pages 548–552, 2010

**[Wallace 10c]** M.B. Wallace, P. Sharma, C. Lightdale, H. Wolfsen, E. Coron, A. Buchner, M. Bajbouj, A. Bansal, A. Rastogi, J. Abrams, J.E. Crook and A. Meining. *Preliminary accuracy and interobserver agreement for the detection of intraepithelial neoplasia in Barrett's esophagus with probe-based confocal laser endomicroscopy*. Gastrointestinal Endoscopy, 2010

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**[De Palma 09]** G.-D. De Palma. *Confocal laser endomicroscopy in the "in vivo" histological diagnosis of the gastrointestinal tract*. World Journal of Gastroenterology : WJG, volume 15, number 46, pages 5770–5775, 2009

**[Meining 09b]** A. Meining. *Confocal endomicroscopy*. Gastrointestinal Endoscopy Clinics of North America, volume 19, number 4, pages 629–635, 2009

**[Meining 09c]** A. Meining, V. Phillip, J. Gaa, C. Prinz and R.M. Schmid. *Pancreaticoscopy with miniprobe-based confocal laser-scanning microscopy of an intraductal papillary mucinous neoplasm (with video)*. Gastrointestinal Endoscopy, volume 69, number 6, pages 1178–1180, 2009

**[Monkemuller 09]** K. Monkemuller, H. Neumann and L.C. Fry. *Endoscopic examination of the small bowel: from standard white light to confocal endomicroscopy*. Clinical Gastroenterology and Hepatology : the Official Clinical Practice Journal of the American Gastroenterological Association, volume 7, number 2, pages e11–2, 2009

**[Wallace 09a]** M.B. Wallace. *Advances in imaging and technology of pre-invasive neoplasia: the big (and small) picture*. Gastroenterology, volume 137, number 5, pages 1582–1583, 2009

**[Wallace 09d]** M.B. Wallace and P. Fockens. *Probe-based confocal laser endomicroscopy*. Gastroenterology, volume 136, number 5, pages 1509–1513, 2009

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**[Becker 08a]** V. Becker, M. Vieth, M. Bajbouj, R.M. Schmid and A. Meining. *Confocal laser scanning fluorescence microscopy for in vivo determination of microvessel density in Barrett's esophagus*. Endoscopy, volume 40, number 11, pages 888–891, 2008

**[Becker 08c]** V. Becker, S. von Delius, M. Bajbouj, A. Karagianni, R.M. Schmid and A. Meining. *Intravenous application of fluorescein for confocal laser scanning microscopy: evaluation of contrast dynamics and image quality with increasing injection-to-imaging time*. Gastrointestinal Endoscopy, volume 68, number 2, pages 319–323, 2008

**[Hsiung 08]** P.L. Hsiung, J. Hardy, S. Friedland, R. Soetikno, C.B. Du, A.P. Wu, P. Sahbaie, J.M. Crawford, A.W. Lowe, C.H. Contag and T.D. Wang. *Detection of colonic dysplasia in vivo using a targeted heptapeptide and confocal microendoscopy*. Nature Medicine, volume 14, number 4, pages 454–458, 2008

**[Meining 08b]** A. Meining, E. Frimberger, V. Becker, S.V. Delius, C.H. Weyhern, R.M. Schmid and C. Prinz. *Detection of cholangiocarcinoma in vivo using miniprobe-based confocal fluorescence microscopy*. Clinical Gastroenterology and Hepatology : the Official Clinical Practice Journal of the American Gastroenterological Association, volume 6, number 9, pages 1057–1060, 2008

**[Meining 08c]** A. Meining and M.B. Wallace. *Endoscopic imaging of angiogenesis in vivo*. *Gastroenterology*, volume 134, number 4, pages 915–918, 2008

**[Pohl 08c]** H. Pohl, T. Rosch, M. Vieth, M. Koch, V. Becker, M. Anders, A. Khalifa and A. Meining. *Miniprobe confocal laser microscopy for the detection of invisible neoplasia in patients with Barrett's esophagus*. *Gut*, volume 57, number 12, pages 1648–1653, 2008

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**[Becker 07a]** V. Becker, T. Vercauteren, C.H. von Weyern, C. Prinz, R.M. Schmid and A. Meining. *High resolution miniprobe-based confocal microscopy in combination with video-mosaicing*. *Gastrointestinal Endoscopy*, volume 66, number 5, pages 1001–1007, 2007

**[Meining 07a]** A. Meining, M. Bajbouj and R.M. Schmid. *Confocal fluorescence microscopy for detection of gastric angiodysplasia*. *Endoscopy*, volume 39, number S 1, page E145, 2007

**[Meining 07b]** A. Meining, M. Bajbouj, S. von Delius and C. Prinz. *Confocal laser scanning microscopy for in vivo histopathology of the gastrointestinal tract*. *Arab Journal of Gastroenterology*, volume 8, number 1, pages 1–4, 2007

**[Meining 07f]** A. Meining, D. Saur, M. Bajbouj, V. Becker, E. Peltier, H. Höfler, C.H. von Weyhern, R.M. Schmid and C. Prinz. *In vivo histopathology for detection of gastrointestinal neoplasia with a portable, confocal miniprobe: An examiner blinded analysis*. *Clinical Gastroenterology and Hepatology*, volume 5, number 11, pages 1261–1267, 2007

**[Meining 07h]** A. Meining, S.B.V. Schwendy, R.M. Schmid and C. Prinz. *In vivo histopathology of lymphocytic colitis*. *Gastrointestinal Endoscopy*, volume 66, number 2, pages 398–400, 2007

**[Miehlke 07b]** S. Miehlke, A. Morgner, D. Aust, A. Madisch, M. Vieth and G. Baretton. *Combined use of narrow-band imaging magnification endoscopy and miniprobe confocal laser microscopy in neoplastic Barrett's esophagus*. *Endoscopy*, volume 39, page E316, 2007

**[Morgner 07]** A. Morgner, M. Stolte and S. Miehlke. *Visualization of lymphoepithelial lesions in gastric mucosa-associated lymphoid tissue-type lymphoma by miniprobe confocal laser microscopy*. *Clinical Gastroenterology and Hepatology : the Official Clinical Practice Journal of the American Gastroenterological Association*, volume 5, number 9, page e37, 2007

**[Wang 07c]** T.D. Wang, S. Friedland, P. Sahbaie, R. Soetikno, P.-L. Hsiung, J.T.C. Liu, J.M. Crawford and C.H. Contag. *Functional imaging of colonic mucosa with a fibered confocal microscope for real-time in vivo pathology*. *Clinical Gastroenterology and Hepatology*, volume 5, number 1, pages 1300–1305, 2007

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**[Fuchs 11]** F.S. Fuchs, S. Zirlik, K. Hildner, M. Frieser, M. Ganslmayer, S. Schwarz, M. Uder and M.F. Neurath. *Fluorescein-aided confocal laser endomicroscopy of the lung*. *Respiration; International Review of Thoracic Diseases*, volume 81, number 1, pages 32–38, 2011

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**[Bickenbach 10]** J. Bickenbach, M. Czaplak, R. Dembinski, P. Pelosi, W. Schroeder, G. Marx and R. Rossaint. *In vivo microscopy in a porcine model of acute lung injury*. *Respiratory Physiology & Neurobiology*, volume 172, number 3, pages 192–200, 2010

**[Salaun 10a]** M. Salaun, G. Bourg-Heckly and L. Thiberville. *Confocal endomicroscopy of the lung: from the bronchus to the alveolus [in french]*. *Revue des Maladies Respiratoires*, volume 27, number 6, pages 579–588, 2010

**[Salaun 10b]** M. Salaun, F. Roussel, P.-A. Hauss, S. Lachkar and L. Thiberville. *In vivo imaging of pulmonary alveolar proteinosis using confocal endomicroscopy*. The European Respiratory Journal : Official Journal of the European Society for Clinical Respiratory Physiology, volume 36, number 2, pages 451–453, 2010

**[Thiberville 10a]** L. Thiberville and M. Salaun. *Bronchoscopic advances: on the way to the cells*. Respiration; International Review of Thoracic Diseases, volume 79, number 6, pages 441–449, 2010

**[Thiberville 10b]** L. Thiberville, M. Salaun and G. Bourg-Heckly. *In vivo confocal microendoscopy: from the proximal bronchus down to the pulmonary acinus*. In J. Strausz, C.T. Bolliger and European Respiratory Society, editors, Interventional Pulmonology (European Respiratory Society Monograph), volume 48 Chap. 6 of *European Respiratory Society Monograph*, pages 73–89. 2010

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**[Lesur 09]** O. Lesur and L. Thiberville. *Vers une évaluation in vivo, en temps réel, de la réparation pulmonaire dans le sdra : une place pour la micro-imagerie de fluorescence par laser confocal ?* Réanimation, volume 18, number 2, pages 111–113, 2009

**[Thiberville 09a]** L. Thiberville, M. Salaun, S. Lachkar, S. Dominique, S. Moreno-Swirc, C. Vever-Bizet and G. Bourg-Heckly. *Confocal fluorescence endomicroscopy of the human airways*. Proceedings of the American Thoracic Society, volume 6, number 5, pages 444–449, 2009

**[Thiberville 09b]** L. Thiberville, M. Salaun, S. Lachkar, S. Dominique, S. Moreno-Swirc, C. Vever-Bizet and G. Bourg-Heckly. *Human in-vivo fluorescence microimaging of the alveolar ducts and sacs during bronchoscopy*. The European Respiratory Journal : Official Journal of the European Society for Clinical Respiratory Physiology, volume 33, number 5, pages 974–985, 2009

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**[Thiberville 07c]** L. Thiberville, S. Moreno-Swirc, T. Vercauteren, E. Peltier, C. Cavé and G. Bourg Heckly. *In vivo imaging of the bronchial wall microstructure using fibered confocal fluorescence microscopy*. American Journal of Respiratory and Critical Care Medicine, volume 175, number 1, pages 22–31, 2007

## C Other clinical applications

Found here

<http://www.maunakeatech.com/healthcare-professionals/567/other-clinical-cellvizio-publications>.

Note that the corresponding applications are typically not yet CE marked nor FDA cleared.

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**[Banerjee 10]** A. Banerjee, R. Cook, S. Kellow, K. Shah, F. Festy, M. Sherriff and T. Watson. *A confocal micro-endoscopic investigation of the relationship between the microhardness of carious dentine and its autofluorescence*. European Journal of Oral Sciences, volume 118, number 1, pages 75–79, 2010

**[Becker 10a]** V. Becker, F.J. van den Broek, A.M. Buchner, E. Dekker, M.B. Wallace, S. von Delius, A. Schneider, R.M. Schmid and A. Meining. *Optimal fluorescein dose for intravenous application in miniprobe-based confocal laser scanning microscopy in pigs*. Journal of Biophotonics, 2010

**[Becker 10b]** V. Becker, M.B. Wallace, P. Fockens, S. von Delius, T.A. Woodward, M. Raimond, R.P. Voermans and A. Meining. *Needle-based confocal endomicroscopy for in vivo histology of intra-abdominal organs: first results in a porcine model*. Gastrointestinal Endoscopy, volume 71, number 7, pages 1260–1266, 2010

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**[Sonn 09a]** G.A. Sonn, S.-N.E. Jones, T.V. Tarin, C.B. Du, K.E. Mach, K.C. Jensen and J.C. Liao. *Optical biopsy of human bladder neoplasia with in vivo confocal laser endomicroscopy*. The Journal of Urology, volume 182, number 4, pages 1299–1305, 2009

**[Sonn 09b]** G.A. Sonn, K.E. Mach, K. Jensen, P.L. Hsiung, S.N. Jones, C.H. Contag, T.D. Wang and J.C. Liao. *Fibered confocal microscopy of bladder tumors: An ex vivo study*. Journal of Endourology / Endourological Society, volume 23, number 2, pages 197–202, 2009

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**[von Delius 07]** S. von Delius, H. Feussner, D. Wilhelm, A. Karagianni, J. Henke, R.M. Schmid and A. Meining. *Transgastric in vivo histology in the peritoneal cavity using miniprobe-based confocal fluorescence microscopy in an acute porcine model*. Endoscopy, volume 39, number 5, pages 407–411, 2007

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**[Becker 10a]** V. Becker, F.J. van den Broek, A.M. Buchner, E. Dekker, M.B. Wallace, S. von Delius, A. Schneider, R.M. Schmid and A. Meining. *Optimal fluorescein dose for intravenous application in miniprobe-based confocal laser scanning microscopy in pigs*. Journal of Biophotonics, 2010

**[Becker 10b]** V. Becker, M.B. Wallace, P. Fockens, S. von Delius, T.A. Woodward, M. Raimond, R.P. Voermans and A. Meining. *Needle-based confocal endomicroscopy for in vivo histology of intra-abdominal organs: first results in a porcine model*. Gastrointestinal Endoscopy, volume 71, number 7, pages 1260–1266, 2010

**[Bickenbach 10]** J. Bickenbach, M. Czaplik, R. Dembinski, P. Pelosi, W. Schroeder, G. Marx and R. Rossaint. *In vivo microscopy in a porcine model of acute lung injury*. Respiratory Physiology & Neurobiology, volume 172, number 3, pages 192–200, 2010

**[Lewandowski 10]** D. Lewandowski, V. Barroca, F. Duconge, J. Bayer, J. Tran Van Nhieu, C. Pestourie, P. Fouchet, B. Tavitian and P.H. Romeo. *In vivo cellular imaging pinpoints the role of reactive oxygen species in the early steps of adult hematopoietic reconstitution*. Blood, volume 115, number 3, pages 438–439, 2010

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**[Druart 09]** X. Druart, J. Cognie, G. Baril, F. Clement, J.-L. Dacheux and J.-L. Gatti. *In vivo imaging of in situ motility of fresh and liquid stored ram spermatozoa in the ewe genital tract*. Reproduction (Cambridge, England), volume 138, number 1, pages 45–53, 2009

**[Ignat 09]** M. Ignat, M. Aprahamian, V. Lindner, A. Altmeyer, S. Perretta, B. Dallemagne, D. Mutter and J. Marescaux. *Feasibility and reliability of pancreatic cancer staging using fiberoptic confocal fluorescence microscopy in rats*. Gastroenterology, volume 137, number 5, pages 1584–1592.e1, 2009

**[Lasher 09]** R.A. Lasher, R.W. Hitchcock and F.B. Sachse. *Towards modeling of cardiac microstructure with catheter-based confocal microscopy: a novel approach for dye delivery and tissue characterization*. IEEE Transactions on Medical Imaging, volume 28, number 8, pages 1156–1164, 2009

**[Luciani 09]** A. Luciani, C. Wilhelm, P. Bruneval, P. Cunin, G. Autret, A. Rahmouni, O. Clement and F. Gazeau. *Magnetic targeting of iron-oxide-labeled fluorescent hepatoma cells to the liver*. European Radiology, volume 19, number 5, pages 1087–1096, 2009

**[Snedeker 09a]** J.G. Snedeker, A.B. Arav, Y. Zilberman, G. Pelled and D. Gazit. *Functional fibered confocal microscopy: A promising tool for assessing tendon regeneration*. Tissue Engineering. Part C, Methods, volume 15, number 3, pages 485–491, 2009

**[Snedeker 09b]** J.G. Snedeker, G. Pelled, Y. Zilberman, A. Ben Arav, E. Huber, R. Muller and D. Gazit. *An analytical model for elucidating tendon tissue structure and biomechanical function from in vivo cellular confocal microscopy images*. Cells, Tissues, Organs, volume 190, number 2, pages 111–119, 2009

**[Tavitian 09]** B. Tavitian, F. Duconge, R. Boisgard and F. Dolle. *In vivo imaging of oligonucleotidic aptamers*. Methods in Molecular Biology (Clifton, N.J.), volume 535, pages 241–259, 2009

**[Thomas 09]** G.M. Thomas, L. Panicot-Dubois, R. Lacroix, F. Dignat-George, D. Lombardo and C. Dubois. *Cancer cell-derived microparticles bearing P-selectin glycoprotein ligand 1 accelerate thrombus formation in vivo*. The Journal of Experimental Medicine, volume 206, number 9, pages 1913–1927, 2009

**[Wong 09]** F. Wong, L. Fan, S. Wells, R. Hartley, F.E. Mackenzie, O. Oyebode, R. Brown, D. Thomson, M.P. Coleman, G. Blanco and R.R. Ribchester. *Axonal and neuromuscular synaptic phenotypes in Wld(S), SOD1(G93A) and oster mutant mice identified by fiber-optic confocal microendoscopy*. Molecular and Cellular Neurosciences, volume 42, number 4, pages 296–307, 2009

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**[Cortez-Retamozo 08]** V. Cortez-Retamozo, F.K. Swirski, P. Waterman, H. Yuan, J.F. Figueiredo, A.P. Newton, R. Upadhyay, C. Vinegoni, R. Kohler, J. Blois, A. Smith, M. Nahrendorf, L. Josephson, R. Weissleder and M.J. Pittet. *Real-time assessment of inflammation and treatment response in allergic airway inflammation*. The Journal of Clinical Investigation, volume 118, number 12, pages 4058–4066, 2008

**[Duconge 08b]** F. Duconge, T. Pons, C. Pestourie, L. Herin, B. Theze, K. Gombert, B. Mahler, F. Hinnen, B. Kuhnast, F. Dolle, B. Dubertret and B. Tavitian. *Fluorine-18-labeled phospholipid quantum dot micelles for in vivo multimodal imaging from whole body to cellular scales*. Bioconjugate Chemistry, volume 19, number 9, pages 1921–1926, 2008

**[Lin 08]** K.Y. Lin, M. Maricevich, N. Bardeesy, R. Weissleder and U. Mahmood. *In vivo quantitative microvasculature phenotype imaging of healthy and malignant tissues using a fiber-optic confocal laser microprobe*. Translational Oncology, volume 1, number 2, pages 84–94, 2008

**[von Burstin 08]** J. von Burstin, S. Eser, B. Seidler, A. Meining, M. Bajbouj, J. Mages, R. Lang, A.J. Kind, A.E. Schnieke, R.M. Schmid, G. Schneider and D. Saur. *Highly sensitive detection of early-stage pancreatic cancer by multimodal near-infrared molecular imaging in living mice*. International Journal of Cancer, volume 123, number 9, pages 2138–2147, 2008

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**[Beaune 07]** G. Beaune, B. Dubertret, O. Clement, C. Vayssettes, V. Cabuil and C. Menager. *Giant vesicles containing magnetic nanoparticles and quantum dots: feasibility and tracking by fiber confocal fluorescence microscopy*. Angewandte Chemie (International ed. in English), volume 46, number 28, pages 5421–5424, 2007

**[Boyette 07]** L.B. Boyette, M.A. Reardon, A.J. Mirelman, T.D. Kirkley, J.J. Lysiak, J.B. Tuttle and W.D. Steers. *Fiberoptic imaging of cavernous nerves in vivo*. Journal of Urology, volume 178, number 6, pages 2694–2700, 2007

**[Iga 07]** M. Iga, A. Boissonnas, B. Mahe, O. Bonduelle, C. Combadiere and B. Combadiere. *Single CX3CL1-Ig DNA administration enhances T cell priming in vivo*. Vaccine, volume 25, number 23, pages 4554–4563, 2007

**[Martina 07]** M.S. Martina, J.-P. Fortin-Ripoche, L. Fournier, C. Ménager, F. Gazeau, O. Clément and S. Lesieur. *Magnetic targeting of rhodamine-labeled superparamagnetic liposomes to solid tumors: In vivo tracking by fibered confocal fluorescence microscopy*. *Molecular Imaging*, volume 6, number 2, pages 140–146, 2007

**[von Delius 07]** S. von Delius, H. Feussner, D. Wilhelm, A. Karagianni, J. Henke, R.M. Schmid and A. Meining. *Transgastric in vivo histology in the peritoneal cavity using miniprobe-based confocal fluorescence microscopy in an acute porcine model*. *Endoscopy*, volume 39, number 5, pages 407–411, 2007

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**[Al-Gubory 06]** K.H. Al-Gubory and L.-M. Houdebine. *In vivo imaging of green fluorescent protein-expressing cells in transgenic animals using fibered confocal fluorescence microscopy*. *European Journal of Cell Biology*, volume 85, number 8, pages 837–845, 2006

**[Aslan 06]** H. Aslan, Y. Zilberman, L. Kandel, M. Liebergall, R.J. Oskouian, D. Gazit and Z. Gazit. *Osteogenic differentiation of noncultured immunoisolated bone marrow-derived CD105+ cells*. *Stem Cells (Dayton, Ohio)*, volume 24, number 7, pages 1728–1737, 2006

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**[Snedeker 06]** J.G. Snedeker, G. Pelled, Y. Zilberman, F. Gerhard, R. Muller and D. Gazit. *Endoscopic cellular microscopy for in vivo biomechanical assessment of tendon function*. *Journal of Biomedical Optics*, volume 11, number 6, 2006

**[Vincent 06]** P. Vincent, U. Maskos, I. Charvet, L. Bourgeois, L. Stoppini, N. Leresche, J.-P. Changeux, R. Lambert, P. Meda and D. Paupardin-Tritsch. *Live imaging of neural structure and function by fibered fluorescence microscopy*. *EMBO report*, volume 7, number 11, pages 1154–1161, 2006

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**[Al-Gubory 05]** K.H. Al-Gubory. *Fibered confocal fluorescence microscopy for imaging apoptotic DNA fragmentation at the single-cell level in vivo*. *Experimental Cell Research*, volume 310, number 2, pages 474–481, 2005

**[Beirowski 05]** B. Beirowski, R. Adalbert, D. Wagner, D.S. Grumme, K. Addicks, R.R. Ribchester and M.P. Coleman. *The progressive nature of wallerian degeneration in wild-type and slow wallerian degeneration (WldS) nerves*. *BMC Neuroscience*, volume 6, number 1, page 6, 2005

**[Bharali 05]** D.J. Bharali, I. Klejbor, E.K. Stachowiak, P. Dutta, I. Roy, N. Kaur, E.J. Bergery, P.N. Prasad and M.K. Stachowiak. *Organically modified silica nanoparticles: a nonviral vector for in vivo gene delivery and expression in the brain*. *Proceedings of the National Academy of Sciences of the United States of America*, volume 102, number 32, pages 11539–11544, 2005

**[D'Hallewin 05]** M.-A. D'Hallewin, S. El Khatib, A. Leroux, L. Bezdetsnaya and F. Guillemin. *Endoscopic confocal fluorescence microscopy of normal and tumor bearing rat bladder*. *The Journal of Urology*, volume 174, number 2, pages 736–740, 2005

**[Davenne 05]** M. Davenne, C. Custody, P. Charneau and P.-M. Lledo. *In vivo imaging of migrating neurons in the mammalian forebrain*. *Chemical Senses*, volume 30 Suppl 1, pages i115–i116, 2005

[Lledo 05] P.-M. Lledo and A. Saghatelian. *Integrating new neurons into the adult olfactory bulb: joining the network, life-death decisions, and the effects of sensory experience*. Trends in Neurosciences, volume 28, number 5, pages 248–254, 2005

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[Laemmel 04] E. Laemmel, M. Genet, G. Le Goualher, A. Perchant, J.-F. Le Gargasson and E. Vicaut. *Fibered confocal fluorescence microscopy (Cell-viZio) facilitates extended imaging in the field of microcirculation*. Journal of Vascular Research, volume 41, number 5, pages 400–411, 2004

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#### 2009

[Klein 09] A. Klein, J. Andersson, B.A. Ardekani, J. Ashburner, B. Avants, M.-C. Chiang, G.E. Christensen, L. Collins, P. Hellier, J.H. Song, M. Jenkinson, C. Lepage, D. Rueckert, P. Thompson, T. Vercauteren, R.P. Woods, J.J. Mann and R.V. Parsey. *Evaluation of 14 nonlinear deformation algorithms applied to human brain MRI registration*. Neuroimage, volume 46, number 3, pages 786–802, 2009

[Vercauteren 09] T. Vercauteren, X. Pennec, A. Perchant and N. Ayache. *Diffeomorphic demons: Efficient non-parametric image registration*. NeuroImage, volume 45, number 1S1, pages S61–S72, 2009

[Yeo 09] B.T.T. Yeo, T. Vercauteren, P. Fillard, J.-M. Peyrat, X. Pennec, P. Golland, N. Ayache and O. Clatz. *DT-REFinD: Diffusion tensor registration with exact finite-strain differential*. IEEE Transactions on Medical Imaging, volume 28, number 12, pages 1914–1928, 2009

#### 2008

[Linguraru 08] M.G. Linguraru, T. Vercauteren, M. Reyes-Aguirre, M.A. Gonzalez Ballester and N. Ayache. *Intensity-free segmentation of brain internal nuclei from deformable atlases*. In Brain Mapping Research Trends. Nova Science Publishers, New York, 2008

[Vercauteren 08b] T. Vercauteren. *Image registration and mosaicing for dynamic in vivo fibered confocal microscopy*. PhD thesis, École Nationale Supérieure des Mines de Paris, Paris, 2008

[Vercauteren 08c] T. Vercauteren, N. Ayache, N. Savoie, G. Malandain and A. Perchant. *Processing of in vivo fibered confocal microscopy video sequences*. In J. Rittscher, R. Machiraju and S.T.C. Wong, editors, Microscopic Image Analysis for Life Science Applications, pages chap. 19, 441–463. Artech House, 2008

#### 2007

[Linguraru 07] M.G. Linguraru, T. Vercauteren, M. Reyes-Aguirre, M.A. Gonzalez Ballester and N. Ayache. *Segmentation propagation from deformable atlases for brain mapping and analysis*. Brain Research Journal, volume 1, number 4, 2007

2006

[Vercauteren 06] T. Vercauteren, A. Perchant, G. Malandain, X. Pennec and N. Ayache. *Robust mosaicing with correction of motion distortions and tissue deformation for in vivo fibered microscopy*. Medical Image Analysis, volume 10, number 5, pages 673–692, 2006

## F Optics research

Found here <http://www.maunakeatech.com/innovation/476/optics-bibliography>.

2007

[Jean 07] F. Jean, G. Bourg-Heckly and B. Viellerobe. *Fibered confocal spectroscopy and multicolor imaging system for in vivo fluorescence analysis*. Optics Express, volume 15, number 7, pages 4008–4017, 2007

[Lelek 07] M. Lelek, E. Suran, F. Louradour, A. Barthelemy, B. Viellerobe and F. Lacombe. *Coherent femtosecond pulse shaping for the optimization of a non-linear micro-endoscope*. Optics Express, volume 15, number 16, pages 10154–10162, 2007

## 2 Peer reviewed full-paper conference publications

### A GI

2006

[Osdoit 06b] A. Osdoit, M. Genet, A. Perchant, S. Loiseau, B. Abrat and F. Lacombe. *In vivo fibered confocal reflectance imaging: totally non-invasive morphological cellular imaging brought to the endoscopist*. In G.J. Tearney and T.D. Wang, editors, Endoscopic Microscopy, volume 6082, pages 608208–608210, San Jose, CA, USA, 2006. SPIE

[Viiellerobe 06] B. Viellerobe, A. Osdoit, C. Cave, F. Lacombe, S. Loiseau and B. Abrat. *Mauna Kea Technologies' F400 prototype: a new tool for in vivo microscopic imaging during endoscopy*. In G.J. Tearney and T.D. Wang, editors, Endoscopic Microscopy, volume 6082, page 60820c. SPIE, 2006

### B LUNG

2008

[Bourg-Heckly 08] G. Bourg-Heckly, L. Thiberville, C. Vever-Bizet and B. Viellerobe. *In vivo endoscopic autofluorescence microspectro-imaging of bronchi and alveoli*. In Endoscopic Microscopy III, volume 6851, page 685104. SPIE, 2008

### C Other clinical applications

Note that the corresponding applications are typically not yet CE marked nor FDA cleared.

2009

[Schwarz 09] F. Schwarz, A. Le Nevez, M. Genet, A. Osdoit and F. Lacombe. *Deep high-resolution fluorescence microscopy of full organs: the benefit of ultraminiature confocal miniprobos*. In G.J. Tearney and T.D. Wang, editors, Proc. SPIE – Endoscopic Microscopy IV, volume 7172, page 71720G. SPIE, 2009

## D LAB

2006

- [Herzka 06] D. Herzka, J. Quijano, J. Xie, S. Krueger, S. Weiss, B. Abrat, A. Osdoit, C. Cavé, C. Burnett, S.N. Danthi and K. Li. *Validation of a fiber-based confocal microscope for interventional image-guided procedures: correlation with multispectral optical imaging*. In A. Manduca and A.A. Amini, editors, Medical Imaging 2006: Physiology, Function, and Structure from Medical Images, volume 6143, pages 61433–61436, San Diego, CA, USA, 2006. SPIE

## E Image computing research

2010

- [Allain 10] B. Allain, M. Hu, L. Lovat, R. Cook, T. Vercauteren, S. Ourselin and D. Hawkes. *A system for biopsy site re-targeting with uncertainty in gastroenterology and oropharyngeal examinations*. In T. Jiang, N. Navab, J. Pluim and M. Viergever, editors, Medical Image Computing and Computer-Assisted Intervention – MICCAI 2010, volume 6362 of *Lecture Notes in Computer Science*, pages 514–521. Springer Berlin / Heidelberg, 2010
- [André 10a] B. André, T. Vercauteren, A.M. Buchner, M.W. Shahid, M.B. Wallace and N. Ayache. *An image retrieval approach to setup difficulty levels in training systems for endomicroscopy diagnosis*. In Medical Image Computing and Computer-Assisted Intervention (MICCAI'10), volume 6362, pages 480–487, 2010
- [André 10b] B. André, T. Vercauteren, A. Perchant, A. M. Buchner, M. B. Wallace and N. Ayache. *Introducing space and time in local feature-based endomicroscopic image retrieval*. In International Conference on Medical Image Computing and Computer Assisted Intervention – Workshop: Medical Content-based Retrieval for Clinical Decision Support, volume 5853/2010, pages 18–30. Springer Berlin / Heidelberg, 2010
- [André 10c] B. André, T. Vercauteren, M.B. Wallace, A.M. Buchner and N. Ayache. *Endomicroscopic video retrieval using mosaicing and visual words*. In Proceedings of the Seventh IEEE International Symposium on Biomedical Imaging 2010 (ISBI'10), pages 1419–1422. IEEE, 2010
- [Garcia 10] V. Garcia, T. Vercauteren, G. Malandain and N. Ayache. *Diffeomorphic demons and the EMPIRE10 challenge*. In Grand Challenges in Medical Image Analysis (EMPIRE10 MICCAI'10 Workshop), pages 91–98, 2010
- [Modat 10] M. Modat, T. Vercauteren, G.R. Ridgway, D.J. Hawkes, N.C. Fox and S. Ourselin. *Diffeomorphic demons using normalized mutual information, evaluation on multimodal brain MR images*. In Proc. SPIE Medical Imaging, volume 7623, page 76232K, 2010

2009

- [André 09b] B. André, T. Vercauteren, A. Perchant, A.M. Buchner, M.B. Wallace and N. Ayache. *Endomicroscopic image retrieval and classification using invariant visual features*. In Proceedings of the Sixth IEEE International Symposium on Biomedical Imaging 2009 (ISBI'09), pages 346–349. IEEE, 2009
- [Sabuncu 09] M.R. Sabuncu, B.T.T. Yeo, K. Van Leemput, T. Vercauteren and P. Golland. *Asymmetric image-template registration*. In Proceedings of the 12th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI'09), volume 5761/2009 of *Lecture Notes in Computer Science*, pages 565–573. Springer-Verlag, 2009

2008

- [Vercauteren 08e] T. Vercauteren, X. Pennec, A. Perchant and N. Ayache. *Symmetric log-domain diffeomorphic registration: A demons-based approach*. In Proc. Medical Image Computing and Computer Assisted Intervention (MICCAI'08), volume 5241 of *Lecture Notes in Computer Science*, pages 754–761, New York, USA, 2008. Springer-Verlag

**[Vercauteren 08d]** T. Vercauteren, A. Meining, F. Lacombe and A. Perchant. *Real time autonomous video image registration for endomicroscopy: Fighting the compromises*. In J.-A. Conchello, C.J. Cogswell and T. Wilson, editors, Proc. SPIE BIOS – Three-Dimensional and Multidimensional Microscopy: Image Acquisition and Processing XV, volume 6861, page 68610C, San Jose, CA, USA, 2008. SPIE

**[Yeo 08a]** B.T.T. Yeo, M. Sabuncu, T. Vercauteren, N. Ayache, B. Fischl and P. Golland. *Spherical demons: Fast surface registration*. In Proc. Medical Image Computing and Computer Assisted Intervention (MICCAI'08), volume 5241 of *Lecture Notes in Computer Science*, pages 745–753, New York, USA, 2008. Springer-Verlag

**[Yeo 08b]** B.T.T. Yeo, T. Vercauteren, P. Fillard, X. Pennec, P. Golland, N. Ayache and O. Clatz. *DTI registration with exact finite-strain differential*. In Proceedings of the IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI'08), pages 700–703, Paris, France, 2008. IEEE

## 2007

**[Perchant 07]** A. Perchant, T. Vercauteren, F. Oberrietter, N. Savoie and N. Ayache. *Region tracking algorithms on laser scanning devices applied to cell traffic analysis*. In Proceedings of the IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI'07), pages 260–263, Arlington, USA, 2007

**[Vercauteren 07a]** T. Vercauteren, A. Osdoit, A. Perchant and S. Loiseau. *Mosaicing of confocal microscopic video sequences: Larger field of view and still higher resolution*. In Proceedings of the Digestive Disease Week (DDW'07), page 352, Washington, DC, 2007

**[Vercauteren 07b]** T. Vercauteren, X. Pennec, E. Malis, A. Perchant and N. Ayache. *Insight into efficient image registration techniques and the demons algorithm*. In N. Karssemeijer and B.P.F. Lelieveldt, editors, Proceedings of Information Processing in Medical Imaging (IPMI'07), volume 4584 of *Lecture Notes in Computer Science*, pages 495–506, Kerkrade, The Netherlands, 2007. Springer-Verlag

**[Vercauteren 07d]** T. Vercauteren, X. Pennec, A. Perchant and N. Ayache. *Non-parametric diffeomorphic image registration with the demons algorithm*. In N. Ayache, S. Ourselin and A.J. Maeder, editors, Proceedings of the 10th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI'07), volume 4792 of *Lecture Notes in Computer Science*, pages 319–326, Brisbane, Australia, 2007. Springer-Verlag

## 2005

**[Vercauteren 05]** T. Vercauteren, A. Perchant, X. Pennec and N. Ayache. *Mosaicing of confocal microscopic in vivo soft tissue video sequences*. In J.S. Duncan and G. Gerig, editors, Proceedings of the 8th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI'05), volume 3749 of *Lecture Notes in Computer Science*, pages 753–760. Springer-Verlag, 2005

## 2004

**[Le Goualher 04]** G. Le Goualher, A. Perchant, M. Genet, C. Cavé, B. Viellerobe, F. Berier, B. Abrat and N. Ayache. *Towards optical biopsies with an integrated fibered confocal fluorescence microscope*. In C. Barillot, D.R. Haynor and P. Hellier, editors, Proceedings of the 7th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI'04), volume 3217 of *Lecture Notes in Computer Science*, pages 761–768. Springer-Verlag, 2004

**[Perchant 04]** A. Perchant, G. Le Goualher, M. Genet, B. Viellerobe and F. Berier. *An integrated fibered confocal microscopy system for in vivo and in situ fluorescence imaging: Applications to endoscopy in small animal imaging*. In Proceedings of the IEEE International Symposium on Biomedical Imaging: Nano to Macro (ISBI'04), volume 1, pages 692–695, 2004

**[Savoire 04]** N. Savoire, G. Le Goualher, A. Perchant, F. Lacombe, G. Malandain and N. Ayache. *Measuring blood cells velocity in microvessels from a single image: Application to in vivo and in situ confocal microscopy*. In Proceedings of the IEEE International Symposium on Biomedical Imaging: From Nano to Macro (ISBI'04), pages 456–459, 2004

## F Optics research

2009

**[Kennedy 09]** G.T. Kennedy, A.J. Thompson, D.S. Elson, M.A.A. Neil, G.W. Stamp, B. Viellerobe, F. Lacombe, C. Dunsby and P.M.W. French. *Fluorescence lifetime imaging through a confocal microendoscope*. In European Conferences on Biomedical Optics (ECBO'09), 2009

2006

**[Chenegros 06]** G. Chenegros, L.M. Mugnier, F. Lacombe and M. Glanc. *3D deconvolution of adaptive-optics corrected retinal images*. In Three-Dimensional and Multidimensional Microscopy: Image Acquisition and Processing XIII, volume 6090, page 60900. SPIE, 2006

**[Glanc 06]** M. Glanc, D. Lafaille, P. Puget, F. Lacombe, L. Vabre, X. Levecq and N. Chateau. *Full-field AO-assisted OCT for high-resolution tomographic imaging of the retina*. In Coherence Domain Optical Methods and Optical Coherence Tomography in Biomedicine X, volume 6079, page 607923. SPIE, 2006

**[Gruppetta 06]** S. Gruppetta, F. Lacombe and P. Puget. *Study of the dynamic tear film aberrations using a curvature sensing setup*. In F. Manns, P.G. Soderberg and A. Ho, editors, Ophthalmic Technologies XVI, volume 6138, page 61380w. SPIE, 2006

**[Lacombe 06]** F. Lacombe, M. Glanc, J.L. Gargasson, C. Bellmann, M. Paques and J. Sahel. *Direct measurements of blood cells density and velocity in retinal micro vessels*. In Ophthalmic Technologies XVI, volume 6138, page 61381. SPIE, 2006

**[Lelek 06]** M. Lelek, F. Louradour, A. Barthelemy, B. Viellerobe and F. Lacombe. *Two-photon fluorescence microendoscope using a flexible multicore image guide*. In Conference on Lasers and Electro-Optics/Quantum Electronics and Laser Science Conference and Photonic Applications Systems Technologies, Technical Digest (CD), page Cmr5. Optical Society of America, 2006

## 3 Other publications: peer reviewed communications, magazine articles, etc.

### A GI sampler

2010

**[Buchner 10b]** A.M. Buchner, M.W. Shahid and M.B. Wallace. *The learning curve of probe based confocal laser endomicroscopy (pCLE) for detection neoplasia in colon polyps*. In Gastroenterology (Oral presentation at DDW), volume 138, pages S–95, 2010

2009

**[Becker 09a]** V. Becker, S. von Delius, R. Voermans, T. Woodward, P. Fockens, M. Wallace and A. Meinung. *Erste ergebnisse der konfokalen-sondenbasierten lasermikroskopie über eine punktionsnadel zur beurteilung der in-vivo histologie intraabdomineller organe in einem schweinemodell*. In Z Gastroenterol, volume 47, page 232, 2009

**[Becker 09c]** V. Becker, F. van den Broek, A. Buchner, S. Delius, E. Decker, M. Wallace, R. Schmid and A. Meinung. *Intravenöse applikation von fluorescein im rahmen der konfokalen lasermikroskopie – dosisfindungstudie am schweinemodell*. In Zeitschrift für Gastroenterologie, volume 47, 2009

- [Becker 09e]** V. Becker, M. Wallace, P. Fockens, S. von Delius, T. Woodward, M. Raimondo, R. Vormans and A. Meining. *Sondenbasierte konfokale punktions-lasermikroskopie (nCLe) zur beurteilung der in-vivo histologie intraabdomineller organe im schweinemodell.* In *Zeitschrift für Gastroenterologie*, volume 47, 2009
- [Buchner 09a]** A.M. Buchner, V. Gomez, K.R. Gill, M. Ghabril, D. Scimeca, M.W. Shahid, S.R. Achem, M.F. Picco, D. Riegert-Johnson, M. Raimondo, H.C. Wolfsen, T.A. Woodward, M.K. Hasan and M.B. Wallace. *The learning curve for in vivo probe based confocal laser endomicroscopy (pCLE) for prediction of colorectal neoplasia.* In *Gastrointestinal Endoscopy* (Poster presentation at DDW), volume 69, pages AB364–AB365, 2009
- [Buchner 09b]** A.M. Buchner, M.W. Shahid, F.J. van den Broek, E. Dekker, V. Gomez, M. Ghabril, M.K. Hasan, P. Fockens, M. Raimondo, T.A. Woodward and M.B. Wallace. *Probe based confocal laser endomicroscopy (pCLE) in predicting recurrence of neoplasia after endoscopic mucosal resection of colorectal lesions.* In *Gastrointestinal Endoscopy* (Poster presentation at DDW), volume 69, page AB367, 2009
- [Chuttani 09]** R. Chuttani. *Digital cholangioscopy with narrow band imaging and confocal microscopy.* In DDW (Video forum, oral presentation), 2009
- [Coron 09]** E. Coron, J.F. Mosnier, A. Ahluwalia, M. Le Rhun, A.S. Tarnawski, T. Matysiak-Budnik and J.-P. Galmiche. *Colonic biopsy specimens obtained during confocal endomicroscopy are in vivo prestained with fluorescein and exceptionally suited for cellular and molecular imaging.* In DDW (Poster presentation), 2009
- [Dabizzi 09a]** E. Dabizzi, R. Manta, H. Bertani, M. Manno, A. Mussetto, P. Trande and R. Conigliaro. *In vivo histopathology with portable confocal miniprobes endomicroscopy in the diagnosis of celiac disease (CD).* In *Gastrointestinal Endoscopy* (Poster presentation at DDW), volume 69, page AB374, 2009
- [Dabizzi 09b]** E. Dabizzi, R. Manta, H. Bertani, M. Manno, A. Mussetto, P. Trande and R. Conigliaro. *In vivo histopathology with portable confocal miniprobes endomicroscopy in the diagnosis of celiac disease (CD).* In *Digestive and Liver Disease* (Presented at FISMAD), volume 41, page S87, 2009
- [Dabizzi 09c]** E. Dabizzi, A. Mussetto, M. Manno, H. Bertani, M. Frazzoni, R. Manta and R. Conigliaro. *In vivo histopathology of Barrett's esophagus (BE) with portable confocal mini-probes endomicroscopy.* In *Digestive and Liver Disease* (Presented at FISMAD), volume 41, page S80, 2009
- [Gomez 09]** V. Gomez, A.M. Buchner, E. Dekker, F.J. van den Broek, A. Meining, M.W. Shahid, M. Ghabril, P. Fockens and M.B. Wallace. *Interobserver agreement and accuracy among international experts of probe-based confocal laser microscopy (pCLE) in predicting colorectal neoplasia.* In DDW (Poster presentation), 2009
- [Jamil 09]** L.H. Jamil, S. Rahban and S.K. Lo. *Use of probe confocal laser endomicroscopy for tumor margin identification for surgical resection. a case report.* In ACG, 2009
- [Manta 09]** R. Manta, E. Dabizzi, H. Bertani, M. Manno, A. Mussetto, P. Trande, G. Olivetti and R. Conigliaro. *Confocal endomicroscopy (CEM) with portable mini probes for characterization of polypoid and non-polypoid colorectal lesions: A new tool for the next generation.* In *Digestive and Liver Disease* (Presented at FISMAD), volume 41, page S55, 2009
- [Matysiak-Budnik 09]** T. Matysiak-Budnik, E. Coron, J.-F. Mosnier, M. Le Rhun, J.-P. Galmiche, A. Ahluwalia and A.S. Tarnawski. *Quantitative in vivo assessment of vascular permeability in human colonic mucosa using confocal endomicroscopy: Clinical implications for colonic neoplasia.* In DDW (Oral presentation), 2009
- [Meining 09a]** A. Meining. *Biliary imaging.* In DDW (Oral presentation), 2009
- [Meining 09d]** A. Meining, M. Vieth, T. Rosch, S. Miehke, V. Becker, M. Anders, H. Pohl, A. Madisch, T. Schuster, M. Bajbouj and R.M. Schmid. *Probe-based confocal endomicroscopy is equivalent to standard four-quadrant-stepwise biopsy technique for diagnosis of neoplasia arising from Barrett's esophagus.* In DDW (Oral presentation), 2009

- [Nguyen 09]** V.X. Nguyen, C.C. Nguyen, J.A. Leighton, S.F. Pasha, G. DePetris, S. Gurudu and A. Das. *Accuracy and inter-observer agreement in identifying neoplastic gastrointestinal mucosal pathology by probe-based confocal laser endomicroscopy (pCLE)*. In Gastrointestinal Endoscopy (Poster presentation at DDW), volume 69, page AB364, 2009
- [Schmidt 09]** C. Schmidt and A. Stallmach. *Contrast improvement in probe-base confocal laser endomicroscopy (pCLE) by use of a low fluorescein concentration*. In DDW (Poster presentation), 2009
- [Shahid 09]** M.W. Shahid, A.M. Buchner, M.K. Hasan, V. Gomez and M.B. Wallace. *The role of probe-based confocal laser endomicroscopy (pCLE) in detection of dysplasia in duodenal polyps*. In Gastrointestinal Endoscopy (Poster presentation at DDW), volume 69, page AB369, 2009
- [Stevens 09]** P.D. Stevens, Y.K. Chen, R.J. Shah, R. Chuttani and D.K. Pleskow. *Real-time intraductal confocal microscopy during ERCP: Feasibility and technical considerations*. In Gastrointestinal Endoscopy (Poster presentation at DDW), volume 69, page AB267, 2009
- [Tarnawski 09]** A.S. Tarnawski, E. Coron, J.-F. Mosnier, A. Ahluwalia, M. Le Rhun, J.-P. Galmiche and T. Matysiak-Budnik. *In-vivo detection by confocal endomicroscopy of two distinct structural abnormalities in angioarchitecture and increased vascular permeability in colonic mucosa of patients with IBD in remission: Mechanistic implications*. In DDW (Oral presentation), 2009
- [van den Broek 09]** F.J. van den Broek, A. Meining, M.B. Wallace, A.M. Buchner, A. van Eeden, J.A. van Es, P. Fockens and E. Dekker. *Generation of a new classification scheme for probe-based confocal laser endomicroscopy by international experts including their interobserver agreement and accuracy*. In DDW (Poster presentation), 2009
- [Wallace 09b]** M.B. Wallace, J.A. Abrams, M. Bajbouj, A. Bansal, A.M. Buchner, C.J. Lightdale, P. Sharma, H.C. Wolfsen and A. Meining. *Accuracy and inter-observer agreement of experts for probe-based confocal laser endomicroscopy detection of dysplasia in Barrett's esophagus*. In Gastrointestinal Endoscopy (Poster presentation at DDW), volume 69, page AB351, 2009
- [Wallace 09e]** M.B. Wallace, A. Meining, S. Miehlke, T. Rosch, H. Pohl, C.J. Lightdale, B. Filoche, D.L. Carr-Locke, E. Coron, J. Moreau, E. Bories, C. Schmidt, M. Löhr and P. Fockens. *Safety of intravenous fluorescein for probe-based confocal laser endomicroscopy (pCLE): a multicenter study*. In Gastrointestinal Endoscopy (Poster presentation at DDW), volume 69, pages AB367–AB368, 2009
- [Wallace 09c]** M.B. Wallace, A.M. Buchner, V. Becker and A. Meining. *Determination of the optimal fluorescein dose of probe-based confocal laser endomicroscopy in colonic imaging*. In Gastrointestinal Endoscopy (Poster presentation at DDW), volume 69, page AB375, 2009
- [Wang 09b]** T.D. Wang. *In vivo colorectal neoplasia detection using peptide-targeted confocal endoscopy*. In DDW (Oral presentation), 2009
- [Wang 09a]** K.K. Wang, R.J. Badreddine, Y. Tomizawa, L.-M.W.K. Song, G.A. Prasad, L.S. Borkenhagen, N. Buttar, N.I. Okoro and L.S. Lutzke. *Endoscopic confocal laser microscopy with the probe system in Barrett's esophagus*. In Gastrointestinal Endoscopy (Poster presentation at DDW), volume 69, page Ab349, 2009
- 2008**
- [Badreddine 08]** R.J. Badreddine, K.K. Wang, G.A. Prasad, L.M. Won Kee Song, W. Westra, N. Buttar, L.S. Borkenhagen, K.T. Dunagan and L.S. Lutzke. *Confocal laser microscopy (CLM) guided endoscopic mucosal resection in Barrett's esophagus with high grade dysplasia*. In Gastrointestinal endoscopy (Poster presentation at DDW08), volume 67, page AB179, 2008
- [Becker 08b]** V. Becker, M. Vieth, R.M. Schmid and A. Meining. *Confocal laserscanning fluorescence microscopy for in vivo determination of micro-vessel density in Barrett's esophagus*. In UEGW (Poster presentation), 2008

- [Bozinovic 08]** N. Bozinovic, C. Ventalon, C.D. Atkinson, J. Mertz and S.K. Singh. *Novel confocal endomicroscope using structured light illumination*. In DDW (Poster presentation), 2008
- [Giovannini 08]** M. Giovannini, E. Bories, G. Monges, C. Pesenti, F. Caillol and J. Delpero. *Results of a phase 1 study on intraductal confocal microscopy in patients with common bile duct stenosis*. In UEGW (Oral presentation), 2008
- [Meining 08a]** A. Meining, E. Frimberger, V. Becker, S. Delius, C. Weyhern, R.M. Schmid and C. Prinz. *Detection of cholangiocarcinoma in vivo using miniprobe-based confocal microscopy*. In DDW (Poster presentation), 2008
- [Pohl 08a]** H. Pohl, T. Roesch, M. Vieth, V. Becker, M. Anders, A.C. Khalifa and A. Meining. *Miniprobe confocal laser microscopy for the detection of invisible neoplasia in patients with Barrett's esophagus*. In UEGW (Poster presentation), 2008
- [Pohl 08b]** H. Pohl, T. Roesch, M. Vieth, M. Koch, V. Becker, A.C. Khalifa and A. Meining. *Accuracy of miniprobe confocal laser microscopy for the detection of Barrett neoplasia*. In Gastrointestinal endoscopy – DDW (Poster presentation), volume 67, page AB125, 2008
- [Van Den Broek 08a]** F.J. Van Den Broek, S. Van Eeden, P. Fockens and E. Dekker. *Miniprobe based confocal fluorescence microscopy is feasible for recognition of histological features in vivo for the prediction of final histopathology in patients with longstanding ulcerative colitis*. In DDW (Poster presentation), 2008
- [Van Den Broek 08b]** F.J.C. Van Den Broek, A. Meining, M.B. Wallace, A.M. Buchner, J.A. Van Es, P. Fockens and E. Dekker. *Accuracy and interobserver agreement of international experts on a new classification scheme for probe-based confocal fluorescence microscopy*. In UEGW (Poster presentation), 2008
- [Van Es 08b]** J.A. Van Es, F.J.C. Van Den Broek, P.C.F. Stokkers, S. Van Eeden, P. Fockens and E. Dekker. *Miniprobe-based confocal fluorescence microscopy for the in vivo differentiation of adenomas and non-neoplastic polyps*. In UEGW (Poster presentation), 2008
- [Van Es 08a]** J.A. Van Es, F.J.C. Van Den Broek, P.C.F. Stokkers, C.Y. Ponsioen, S. Van Eeden, P. Fockens and E. Dekker. *Miniprobe-based confocal fluorescence microscopy is feasible for in vivo histological differentiation of neoplasia and non-neoplasia tissue in patients with ulcerative colitis*. In UEGW (Poster presentation), 2008
- [Buchner 08]** A. Buchner, M. Ghabril, M. Krishna, H. Wolfsen and M. Wallace. *High-resolution confocal endomicroscopy probe system for in vivo diagnosis of colorectal neoplasia*. In Gastroenterology (Late breaking oral presentation at DDW), volume 135, page 295, 2008
- 2007**
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## B LUNG sampler

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## C Other clinical applications sampler

Note that the corresponding applications are typically not yet CE marked nor FDA cleared.

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## E Image computing and optics research sampler

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