

SPEC 2018 Flash Presentations

Speaker Order:	Poster Number:	First Name	Last Name	Paper Title:	Abstract Book Ref. No.:	Presentation Time:
Theme 1: Cell cultures and 3D models for medical research applications						
1	5	Jakub	Dybas	Raman spectroscopy studies of erythrophagocytosis in macrophages and Kupffer cells	154	Lightning Session 1: Monday 11th June 15:45 – 16:15
2	9	Rikke	Morish	Towards single cell measurements of chromatin states using FTIR imaging	60	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 2: Data analysis, calibration, pre-processing and sharing protocols						
3	21	Aysegül	Ergin	SHP CIRECA: Research Laboratory Implementation of FTIR Imaging	50	Lightning Session 1: Monday 11th June 15:45 – 16:15
4	27	Camilo De Leis	Medeiros De Morais	ClassTool: an user-friendly classification interface for biospectroscopy data analysis	97	Lightning Session 1: Monday 11th June 15:45 – 16:15
5	31	Olga	Zukovskaja	UV-Raman spectroscopic identification of fungal spores important for respiratory diseases	189	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 3: Diagnostics with body fluids and cytological samples						
6	48	Shaul	Mondechai	Infrared Spectroscopy of Blood Components for Diagnosis of Neurological Diseases	51	Lightning Session 1: Monday 11th June 15:45 – 16:15
7	50	Mary	Paraskevaidi	Raman spectroscopy to diagnose dementia in blood	10	Lightning Session 1: Monday 11th June 15:45 – 16:15
8	52	Lucie	Habartova	Spectroscopic and metabolomic signature of Alzheimer's disease	111	Lightning Session 1: Monday 11th June 15:45 – 16:15
9	42	Lucie	Habartova	Spectral pattern of pancreatic cancer	108	Lightning Session 1: Monday 11th June 15:45 – 16:15
10	54	Katie	Spalding	Spectroscopic Biofluid Diagnosis, Monitoring and Therapeutic Profiling of Melanoma Patients	8	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 4: Disease studies with biopsies, body fluids and cytological samples						
11	60	Eva	Brauchle	Biomechanical and biomolecular characterization of extracellular matrix in pathological tissues	76	Lightning Session 1: Monday 11th June 15:45 – 16:15
12	64	Jemma	Kerns	Raman spectroscopy distinguishes between healthy and diseased cartilage in Alligatoria	84	Lightning Session 1: Monday 11th June 15:45 – 16:15
13	66	Maeña	Le Corvec	Septic arthritis diagnosis using an infrared chalcogenide fibre optic sensor	126	Lightning Session 1: Monday 11th June 15:45 – 16:15
14	72	Cai Li	Song	FTIR imaging of prostate tissue in transmission and ATR modes	17	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 5: Emerging Technologies						
15	78	Beata	Brozek-Pluska	Raman and femtosecond laser spectroscopies of human digestive tract tissues	40	Lightning Session 1: Monday 11th June 15:45 – 16:15
16	80	Murali Krishna	Chilakapati	Raman spectroscopic evaluation of Chronomus hemoglobin for biomonitoring of radiation dosage	54	Lightning Session 1: Monday 11th June 15:45 – 16:15
17	82	Holly	Fleming	SERS Based Nanosensors: Simple Substrates for Sensing in Biological Models	216	Lightning Session 1: Monday 11th June 15:45 – 16:15
18	86	Lucy	Mirnes	Probing the response of Calmodulin to Ca concentration using 2D-IR	141	Lightning Session 1: Monday 11th June 15:45 – 16:15
19	88	Akinori	Taketani	Raman endoscopy for Monitoring Colorectal Cancer in Live Mouse Model	72	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 6: Experimental protocols and sample preparation						
20	95	Angela	Flack	Vibrational Spectroscopy as a High Throughput Technique for Bacteria Identification	11	Lightning Session 1: Monday 11th June 15:45 – 16:15
21	102	Manon	Bourbousson	Characterisation of Skin Tissue by Polarised Raman Spectroscopy Mapping	201	Lightning Session 1: Monday 11th June 15:45 – 16:15
22	108	Aja	Kullaa	Narrowband Auto-Fluorescent Spectroscopy for Bone Analysis	167	Lightning Session 1: Monday 11th June 15:45 – 16:15
23	114	Jayakumar	Nallala	Mid-IR imaging for biomedical diagnosis: novel light-sources to large datasets	22	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 8: Surgical guidance and in vivo applications						
24	122	Lucie	Habartova	Detecting lung cancer by in vivo Raman spectroscopy	119	Lightning Session 1: Monday 11th June 15:45 – 16:15
25	126	Giovanni	Birarda	Unveiling the path to bacterial cell death using SR-FTIR spectromicroscopy	127	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 10: Translational medicine research						
26	138	Anouk	Nouven	Natural Moisturizing Factor as a clinical marker in atopic dermatitis	163	Lightning Session 1: Monday 11th June 15:45 – 16:15
27	140	Ines	Santos	High-accuracy diagnosis of thin melanoma based on Raman spectroscopy	132	Lightning Session 1: Monday 11th June 15:45 – 16:15
Theme 1: Cell cultures and 3D models for medical research applications						
1	4	Murali Krishna	Chilakapati	Raman spectroscopy study of sensitive and mitoxantrone resistant HL-60 cells	35	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 2: Data analysis, calibration, pre-processing and sharing protocols						
2	30	Benjamin	Smith	PRFFECT – a versatile tool for spectroscopists	175	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
3	18	Marko	Toplak	Orange: a powerful user-friendly tool for hyperspectral data analysis	128	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
4	26	Paulina	Kozioł	Optimizing denoising approaches for Normal and High Definition IR imaging	122	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
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5	34	Hawwa	Bham	New biomarker identification of pancreatic cancer to improve diagnosis	64	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
6	35	James	Cameron	Developing Functional Objective Serum Spectroscopic Diagnostics for Brain Tumours	31	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
7	37	Stéphane	Demaux	Detection of specific salivary infrared biosignatures of multifactorial diseases	165	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
8	39	Duncan	Finlayson	Design and Optimisation of Multi-Well Silicon Internal Reflection Elements	39	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
9	45	Cerys	Jenkins	PANSPIC: Spectroscopic diagnosis of pancreatic cancer.	59	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
10	47	Miguela	Martin	Discriminating G6Pdd patients using ATR-FTIR spectroscopy and effects of fasting	166	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
11	51	Christopher	Rinaldi	Combining Infrared and Electrochemical Analysis for Clinical Measurements	49	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 4: Disease studies with biopsies, body fluids and cytological samples						
12	59	Malwina	Birczynska	Spectroscopic analysis of the course of recovery in malaria	68	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
13	61	Shuvashis	Das Gupta	Identification of Tidemark and Calcified Cartilage with Raman Micro-spectroscopy	83	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
14	63	Riana	Gaifulina	Raman Spectroscopy for early detection of articular cartilage degeneration	69	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
15	65	Saroj	Kumar	Oxidative Damage and Pathological Heterogeneity of Lesions in Multiple Sclerosis	7	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
16	67	Cassio	Lima	FTIR microscopy discriminating skin cancer using tissue sections on glass	139	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 5: Emerging Technologies						
17	81	Katjana	Ehrlich	Towards in vivo pH sensing using time-resolved spectroscopy and SERS	143	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
18	83	Robby	Fritsch	Rapid screening of DNA-ligand complexes via 2D-IR spectroscopy and ANOVA-PCA	80	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
19	92	Samantha	Hume	Detection of γ -Globulins in Horse Serum using Two-Dimensional Infrared Spectroscopy	88	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
20	87	Iwan	Schie	Combination of integrated and low-resolution Raman spectroscopy for cell analysis	164	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
21	91	Paolo	Zucchiatti	Collective Enhanced Infrared Absorption spectroscopy for conformational studies of proteins	110	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 6: Experimental protocols and sample preparation						
22	97	Jopi	Mikkonen	Salivary metabolomic profiling in malignancy with NMR spectroscopy	160	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 7: Histopathologic diagnostic and prognostic applications						
23	103	Dale	Christensen	Squashed Mozzies: Fighting Dengue Fever with ATR-FTIR Detection of Wolbachia	105	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
24	105	Federik	Großeruschka mp	FTIR-imaging of human bladder tissue for cancer biomarker research	118	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
25	113	Shachi	Mittal	Digital Molecular Histopathology for Efficient Breast Cancer Management	181	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 8: Surgical guidance and in vivo applications						
26	121	Iwan	Schie	New developments for fiber-based Raman imaging	102	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
27	123	Florence	Van Lanschot	Using Raman spectroscopy to discriminate laryngeal carcinoma from healthy tissue	81	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 9: Therapeutics: treatment monitoring and drug discovery						
28	129	Beata	Brozek-Pluska	Label-free optical analysis of human brain cancer cells.	78	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
29	127	Ozlem	Bozkurt Girit	NEUROPROTECTIVE EFFECTS OF PTEROSTILBENE ON DIABETIC NEUROPATHY	86	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
Theme 10: Translational medicine research						
30	135	Daniel	Cullen	Raman spectroscopy to predict radiation toxicity in prostate cancer patients	135	Lightning Session 2: Tuesday 12th June 15:00 – 15:45
31	139	Maria	Plesia	In vivo Raman Spectroscopy as a Biomarker for Neuromuscular Disease	21	Lightning Session 2: Tuesday 12th June 15:00 – 15:45