

poster #	Title	Presenter	Keywords
P02	Investigation of a soft tissue-mimicking phantom dedicated to multi-modality elasticity imaging	Ajeethan Arulrajah	Magnetic Resonance Elastography, Optical Elastography, Ultrasonic Elasticity Imaging, Organ Phantom, Gel Rheology
P03	MRI-compatible imaging window for quantitative evaluation of fibrosis in orthotopic ovarian PDX model	Filip Bochner	ovarian cancer, multiphoton microscopy, multimodal imaging, MRI, fibrosis
P04	Imaging for the Assessment of Tendon Structure and Function: From Animal Models to the Clinics	Nicolau Beckmann	shear wave elastography, magnetic resonance imaging, tendinopathy, rotator cuff, Achilles tendon
P05	Anisotropic shear modulus estimation in <i>ex vivo</i> brain white matter	Joel Garbow	Anisotropic Shear Modulus, Traumatic Brain Injury, Magnetic Resonance Elastography, Mechanical Properties of Tissue
P06	Endobronchial ultrasound strain elastography imaging of mediastinal lymph nodes; can it predict malignancy?	Roel Verhoeven	ultrasound, strain elastography, elasticity imaging, endobronchial, endoscopy
P07	Use of shear wave elastography to assess the mechanical and fracture behaviour of model gel.	Heiva Le Blay	gel model, fracture, mechanics, biological tissues, shear wave elastography
P08	Ultrasound Localization Microscopy for deep microvascular imaging and quantification	Vincent Hingot	ultrasound localization microscopy, blood flow measurement
P09	Measuring ultrasonic wave-speed and its anisotropy of cortical bone in vivo with a clinical transducer array for intra-osseous ultrasound imaging	Guillaume Renaud	ultrasound imaging, bone, refraction, elastic anisotropy
P10	Towards synchrotron phase contrast lung imaging in patients – a proof-of-concept study on porcine lungs in a human-scale chest phantom	Jonas Albers	Lung imaging, Synchrotron imaging, High resolution tomography
P11	Quantification of Keratin Intermediate Filament Dynamics in Living Cells	Reinhard Windoffer	keratin, intermediate filament, image analysis, tracking, filament detection
P12	Impact of oscillatory shear motion on cancer cell fate: can we influence proliferation?	Marlies Glatz	cancer, proliferation
P13	High-resolution dynamic lung imaging for elucidating the mechanisms of Ventilator-Induced Lung Injury	Luca Fardin	lung imaging
P14	Two-dimensional X-ray imaging is an effective non-invasive technique to assess lung function and lung mechanics in mouse models of lung disease	Andrea Markus	lung function, lung mechanics, lung elasticity, x-ray imaging
P15	Simultaneous measurement of intracellular actin dynamics and strain field of the extracellular matrix	Dag Dysthe	intra-/extracellular
P16	Opto-acoustic imaging of the adhesion of single cells	Marie-Fraise Ponge	opto-acoustic microscopy, picosecond ultrasonics, cell adhesion, contact mechanics, acoustic waves
P17	Tomographic imaging in the II near infrared window can reveal structures from highly opaque samples.	Asier Marcos-Vidal	NIR, OPT, near-infrared, scattering
P18	Full field passive elastography using FF-OCT and Digital Holography	Amir Nahas	Passive Elastography, Optical Elastography, Optical Coherence Tomography, Digital Holography
P19	Optical Coherence Tomography assisted micro-indentation: a powerful tool for tissue characterization	Marica Marrese	Optical coherence Tomography, Indentation, Viscoelasticity, Mechanical properties, Chicken embryos