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Bio sketch: Dr. Allegri is an anesthesiologist and pain physician trained at University of Pavia (Italy). In 2015 he got the Fellowship in Interventional Pain Practice (FIPP). He has been working as pain therapist since 2003 with wide experience also in mini-interventional techniques. He is president and founder of Study In Multidisciplinary Pain Research (SIMPAR), an international translational research group, that involves several basic research and clinical groups. Dr. Allegri’s research activity is mainly focused on translational research about low back pain and perioperative pain with a special focus on genomics biomarkers. His research has been funded by several European and Italian grants for a total of 11.5 million euros.

Presentation summary: Dr. Allegri will present his approach to create an International Platform for Translational Genomics to investigate the safety and effectiveness of drugs in chronic pain states identifying also an alternative and more efficient ways to stratify patients. Then, it will be discussed how these translational approaches could improve effectiveness of drug and mini-invasive treatments in chronic pain patients. This platform will be helpful to new approach to the validation of new drugs and/or treatment in acute and chronic pain conditions. Finally, he will show clinical and molecular phenotyping of patients with acute or chronic pain in clinical models to better understand acute pain transition into chronic stage, and how identifying new risk phenotypes and biomarkers can be used in acute or chronic pain patient.