Grand Challenge on automatic lung cancer patient management

The main goal of the Challenge is the **automatic classification of chest CT scans according to the 2017 Fleischner society pulmonary nodule guidelines** for patient follow-up recommendation. The Fleischner guidelines are widely used for patient management in the case of nodule findings, and are composed of 4 classes, taking into account the number of nodules and their characteristics (volume and texture). As such, **three additional sub-challenges** will be held related to the tasks needed to calculate a Fleischner score. The challenge is thus made up of four different parts:

- **Main Challenge - Fleischner Classification**
- **Sub-Challenge A - Nodule Detection**
- **Sub-Challenge B - Nodule Segmentation**
- **Sub-Challenge C - Nodule Texture Characterization**

Teams may choose whether to participate only in a single challenge or in multiple. Challenges will be evaluated separately and **a prize for the best performing method in each one will be awarded.**