

## **Topics of Interest Investigator Sponsored Research (ISR) Grants – Endoscopy Division/Pulmonary**

The BSC ISR Program provides support for research that advances medical and scientific knowledge about Boston Scientific products and therapeutic areas of interest through original, investigator-sponsored research proposals. This global program is open to all researchers who are interested in conducting their own research. The Boston Scientific Endoscopy Division/Pulmonary is specifically interested in, but not limited to, supporting studies that include the below topics:

### **Specific Topics of Interest – Endoscopy Division/Pulmonary**

- 1) Severe asthma and bronchial thermoplasty (BT)
  - a. BT – patient selection and markers of response and/or safety.
  - b. Severe asthma – natural history.
- 2) Bronchial thermoplasty in practice
  - a. Case studies demonstrating safety and efficacy of BT.
  - b. Procedure optimization.
  - c. Clinical experience in patients with characteristics such as:
    - i. Low FEV<sub>1</sub>,
    - ii. Elderly,
    - iii. Occupational asthma,
    - iv. Allergic and non-allergic asthma,
    - v. Asthma with concomitant use of immunomodulatory agents, and
    - vi. Asthma with a COPD component.
  - d. Patient satisfaction data.
  - e. Clinical outcome data such as impact on medication usage.
- 3) Bronchial thermoplasty mechanism of action
  - a. Evaluate the impact of BT on airway remodeling, inflammation, and hyperresponsiveness.
  - b. Assess impact on asthma pathophysiology.
  - c. Identification of biomarkers for patient responders.
  - d. Further definition of patient responders.