

# HSF RxR Committee Research Roadmap

Goal: Actionable items to guide collaborative and transformative research in HS

## IDENTIFICATION OF CONTRIBUTING FACTORS



- Identify genetic and epigenetic factors, comorbidities, environmental triggers, and modifiable risk factors
- Understand epidemiology of HS, including disease heterogeneity and sex differences, impact
- Measure health disparities among under-represented and understudied groups
- Determine diagnostic barriers and develop a diagnostic test and/or algorithm

## ELUCIDATION OF PATHOMECHANISMS



- Understand the clinical course of HS
- Understand the mechanisms linking HS and comorbidities
- Evaluate the contributions by cutaneous cells (lesional and nonlesional), the human microbiome, hormones, and the immune system to HS disease development
- Discover biomarkers to predict onset, flare, progression, & prognosis

## DEVELOPMENT OF THERAPY



- Identify therapeutic targets and treatments
- Develop preclinical models to test therapeutics and understand disease mechanisms
- Develop validated instruments to measure response and progression
- Develop clinical trial guidance and improve recruitment of diverse and representative populations

## OPTIMIZATION OF THERAPY

- Develop personalized medicine approaches
- Develop a treat-to-target strategy
- Develop standardized definitions and approaches to evaluate surgical and combined approaches
- Define MOA of current treatments
- Determine treatment effectiveness and risk utilizing real world experience (RWE)
- Implement interventions which address comprehensive access and care strategies