

## SANFORD RESEARCH

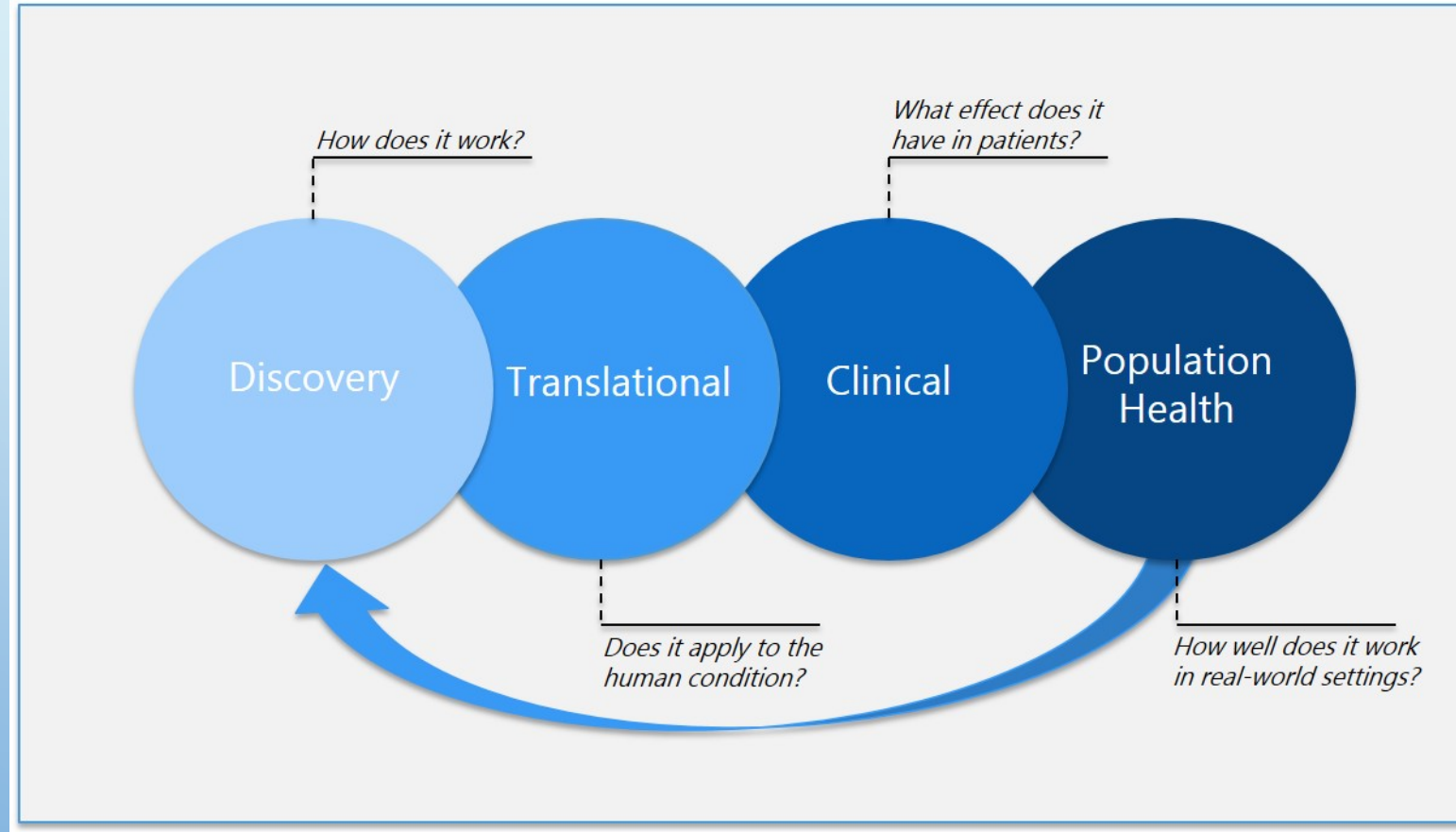
# INNOVATING HEALTH CARE THROUGH CUTTING EDGE SCIENCE



## OVERARCHING STRATEGY AND GOALS

- BUILD INFRASTRUCTURE CAPACITY TO CONDUCT VISIONARY RESEARCH WITH A FOCUS ON HEALTH IMPACT
- LEAD IN PROVIDING PATIENT FACING CLINICAL RESEARCH
- DEVELOP INNOVATIVE PROGRAMS INTEGRATING RESEARCH INTO HEALTHCARE
- CONTINUE DEVELOPMENT OF HUMAN CAPITAL DEDICATED TO RESEARCH AND SCIENTIFIC ADVANCEMENT

# SANFORD HEALTH INTEGRATED HEALTH SYSTEM WITH RESEARCH FOUNDATION



|                         |  |  |
|-------------------------|--|--|
| Scientists              | 46   | New scientists supported by COBREs   |
| Physicians              | 189  | CBR, Hybrid positions, Invest. Initiated studies   |
| Staff                   | 234  | Clinical 44%, Basic 34%, CBR 6%, Admin/Animal 13%  |
| Publications            | 2923                                       | Lifetime publications of SR scientists. 88/153 in 2019   |
| Major Awards            | 3 COBRES<br>DaCCoTA<br>NCORP<br>5 R Awards | SR maxed out on CoBRE awards. Replace as move into Phase 3. Add COBRE in CBR and R01s.<br>Augment Govt grants with commercial. |
| Treatment Approvals     | >15 in past 5 yrs.                         | Oncology and Gene Therapy  |
| Clinical Trials         | >300 Active                                | Moved from predominantly Oncology (>60%) to 57% non-oncology   |
| Clinical Trial Accruals | >3600 in 2019                              | Over 12,000 Sanford patients currently on a clinical trial   |

# SANFORD RESEARCH - 2020

| Specialty Associated Working Group    | SPORT  | GOST  | IGR  | Diabetes  | CV  | WIPF  |
|---------------------------------------|--|---|--|---|---|---|
| Specialties                           | <ul style="list-style-type: none"><li>• Sports Medicine</li><li>• Podiatry</li><li>• Orthopedics</li><li>• Regen Medicine</li><li>• Ortho Trauma</li></ul> | <ul style="list-style-type: none"><li>• GI</li><li>• Ophthalmology</li><li>• Surgery</li><li>• Trauma</li><li>• Neurology</li></ul> | <ul style="list-style-type: none"><li>• Imagenetics</li><li>• Genetics</li><li>• Rare Diseases</li><li>• Pop Health</li><li>• Outcomes</li><li>• Behavioral Health</li></ul> | <ul style="list-style-type: none"><li>• T1 Diabetes</li><li>• T2 Diabetes</li><li>• Endocrinology</li></ul> | <ul style="list-style-type: none"><li>• Cardiology</li><li>• Interv. Radiology</li><li>• Vascular</li></ul> | <ul style="list-style-type: none"><li>• Women's</li><li>• IM/ID</li><li>• Pediatrics</li><li>• Family Medicine</li><li>• Nephrology</li><li>• Cystic Fibrosis</li></ul> |
| Physician Lead (Currently Active PIs) | Dr. Noonan<br>Dr. Piatt  | Dr. Drofa<br>Dr. Timmerman  | Dr. Wonderlich<br>Dr. Hajek  | Dr. Griffin<br>Dr. Luis Casas   | Dr. Kelly<br>Dr. Haldis<br>Dr. Stys   | Dr. Benson<br>Dr. Landeen<br>Dr. Wallace  |
| Research Support                      | Directors/PMs  |   |  |   |   |   |
| Executive Leads                       | Dr. Garcia   | Dr. Garcia  | Dr. Pearce<br>Dr. Suttle   | Dr. Wilcox  | Dr. Cauwels   | Dr. Suttle  |
| HSD Leadership                        | Executive Directors and Clinic Directors as applicable   |   |  |   |   |   |



# RESEARCH RESPONSE – COVID-19

## ***BASIC/TRANSLATIONAL***

BIO-ID COVID-19 VIRUS  
CHARACTERIZATION

LAB SUPPORT FOR COVID TESTING AND  
SERUM TESTING

CHARACTERIZATION OF ANTIBODY  
RESPONSE WITH HEALTHCARE WORKER  
ANTIBODY STUDY

BIOSTATS CORE SUPPORT  
(REGISTRY/PATIENT CARE DATA)

## ***CLINICAL***

FORMED COVID SPECIALTY ASSOCIATED  
WORKING GROUP (SAWG)

EXPANDED TREATMENT OPTIONS WITH  
CLINICAL TRIALS ACROSS DISEASE SPECTRUM

ADAPTIVE COVID-19 TRIAL TO RAPIDLY TEST  
THERAPY OPTIONS AND COMBINATIONS –  
INPATIENT AND OUTPATIENT STUDIES

CELLULAR THERAPY CLINICAL TRIALS – FIRST  
IN NATION

OUTPATIENT ANTIBODY INFUSION CREATION –  
OPEN IN TWO WEEKS, TREATED 1800+ TO DATE

## ***BEHAVIORAL***

BEHAVIORAL HEALTHCARE FOR  
HEALTHCARE PROFESSIONALS

BEHAVIORAL HEALTH BRIDGE PROJECT  
WITH UND (RURAL MENTAL HEALTH)

RESILIENCE TRAINING FOR HOSPITAL  
WORKERS

