Development of the Child Health Research Institute:
After the formal establishment - operating details are essential for success

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Special Acknowledgement: Lisa Runco, Ashley Servais, Jaclyn Ostronic, Ilyssa Schaming, Matt Sandbulte, CHRI Staff

Background
Child health research lags significantly behind innovation in adult populations
Many therapies are unstudied, or protocols are dated
• Need for increased development of Child Health Research identified 13 years ago
• The Pediatric Research Office (PRO) initiated support of clinical research studies in 2008
• CHRI Planning and development continued across UNMC and CHMC through 2017
• CHRI Approved by the Univ of Neb Board of Regents and the Children’s Hospital & Med Ctr Board in 2017

Objectives
• Establish a highly accountable institute that fosters the ability for faculty to conduct high-impact research and secure extramural funding
• Create an environment of inquiry and discovery to recruit productive senior faculty and to foster development of child health physician scientists via a pipeline of trainees
• Secure resources within CHRI to facilitate member research (statistician, scientific writer, internal grant review)
• Develop philanthropic strategies and relationships

Methods/Approach
• Revise and finalize an agreement between UNMC and CHMC to fund and govern CHRI
• Develop Membership Categories and Criteria
• Refine the Internal Grants Process to best serve the mission of transitioning to external grants
• Establish functional research Areas of Emphasis for CHRI to promote collaboration and increase research success
• Establish a dashboard and scorecard to evaluate progress
• Establish CHRI UNCM/CHMC Intellectual Property Guidelines

Outcomes / Results
• Relationship based leadership (faculty / staff)
• Membership - 164
• External Grants – Submitted 38
• Legal agreements (CHRI, Intellectual Property, Chargemaster, IRB, Biosafety, Lease)
• Advanced the existing 6 areas of emphasis
  • PCRG Director, Scientific Director positions
  • Recruitment – Major(1), Minor(1), In progress(3)
  • Hired Statistician integrated with the College of Public Health
  • Distribute CHRI Bulletin to members 1per month
  • Developed Dashboard / Scorecard to monitor progress
  • Revising Vision, Mission, Strategic Plan for the coming year

Discussion
• CHRI had a successful initial year meeting the critical goals by the outlined approach

COVID-19 Impact
• Moved entire team to remote/blended work for the foreseeable future
• Shut down and then reopened Child Health Research across two campuses
• Virtual research forum in May - Successful
• Coordinate COVID research in vulnerable populations
• Financial Resources limited / Hiring Freeze
• Remote study monitoring

Next Steps
• Update and Align the mission and vision with the current strategic plan for CHMC and UNMC
• Increase Philanthropic Engagement
• Hire a Scientific Director for the PCRG
• National Scientific Advisory Board

Presented at the 2020 ELAM® IAP Poster Symposium
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| SPONSORED RESEARCH GRANTS SUBMITTED – CHRI Exclusive of CityMatch Applications |
|-------------------------------|---------|---------|-----------------|--------------|---------------|--------|--------|-------|
| Total Grant Funding Submitted | $17,667,498 | $20,327,376 | $14,924,157 |               |               |        | Totals come from PRO/CHRI Grants Application Spreadsheet | Servais |
21 Introductory Meetings with Chiefs
5 Introductions during Division Meetings

Assisted with 18 Internal Grants, 15 Submitted (CHRI/UNMC)
Assisted with 40 External Grants & Concept Papers, 36 Submitted (including 2 GP IDEA CTR)

The CHRI Research Bulletin has published 11 issues.
Open rate has averaged more than 45.58% (industry avg 11.48%)
Click Rate 58% (industry avg 9.09%)
Biostatistician hired - Dr. Junghye Lee

501 Studies Currently Supported
137 New Pediatric IRBs
215 New Patient Enrollments (167 CHMC + 48 UNMC)

91 Faculty Supported
11 Departments Supported 36 Divisions Supported
38 Grants Submitted
$91.9 Million Grant Dollars Applied For
Approx. 75% Direct, 25% Indirect

$2,089,211 Grant Dollars Funded
$1,428,000 Revenue from Industry & SubAwards

144 CHRI Members
5 UNMC Colleges
4 NU campuses
97 Publications (as listed on CHRI website)

Team Support: Project Manager Hired - Jaclyn Ostronic
Finance & Grants Coordinator Hired - Valerie Warner

Big Projects: Harvard HEBO Study - application submitted
Children’s Mercy - Genome Project Participant

SOCIAL MEDIA
17,000 Impressions
9,500 engagements and 272 shares

The Oct. CHRI feature in metroMAGAZINE shared on LinkedIn had 1,300 impressions, 53 reactions and 110 clicks

OUTREACH:
2 CHRI Leadership Visits to Children’s Research Institute with Children’s Mercy in Kansas City
December 3 & 6, 2019 & February 19-20, 2020

EVENTS:
Pediatric Writing Workshop - CHMC, August 16-17, 2019 and
January 31 - February 1, 2020
Pediatric Cancer Research Group Symposium - August 16-17, 2019
Virtual CHRI Pediatric Research Forum May 7-8, 2020
164 Members
68 in 2019, 96 in 2020

**Members by Type**
- 138 Full Members
- 10 Associate Members
- 13 Trainees
- 3 Affiliate Members

**Members by Academic Institution**
- 152 UNMC
- 3 UNL
- 6 Clinical Only (CHMC/NM)
- 3 Creighton

**University of Nebraska Members by College/Institute**
- Medicine: 122
- Nursing: 2
- Public Health: 6
- Pharmacy: 7
- Munroe Meyer Institute: 8
- Allied Health: 1
- Eppley Cancer Institute: 3
- Truhlsen Eye Institute: 1
- Engineering (UNL): 2
- Arts & Sciences (UNL): 1