

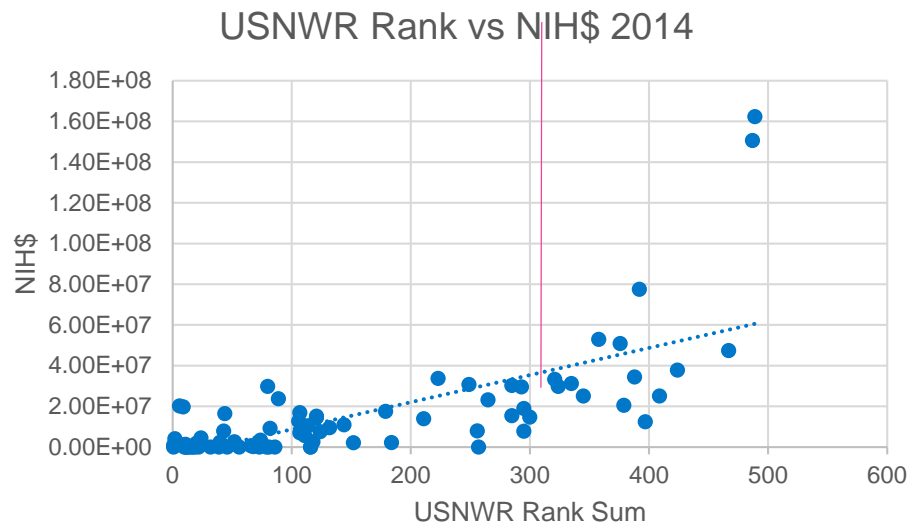


The Children's Health
Research Institute of
the Children's Hospital
of Richmond at VCU

Henry J. Rozycki, MD
Vice-Chair for Research

Purpose

- Grow our reputation
 - Locally, regionally and nationally
 - 6 of top 10, and 12 of the top 20 Children's Hospitals in 2019 US News and World Report have Institutes or Centers
 - CHoR Pediatrics ~ 55th out of 88 in NIH funding in 2020 (up from 72)

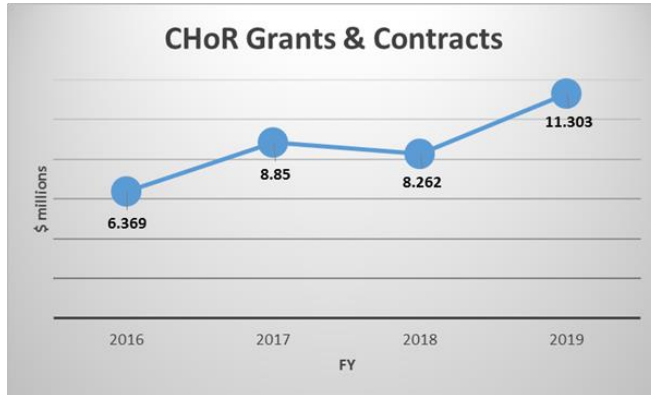


- Faculty Recruitment and Retention
- Enhanced Patient Care

Now is the Time

- VCU reported record research funding for 2019 - \$310 million

- **FY21 - \$18,000,000**



- **CHF Grant Program**
 - \$238,816 lead to \$4,500,000 (18.8x ROI)
- CHF Research Scholars
 - 2/4 have NIH K awards
 - CHoR faculty have 3/8 Ks for VCU
- Six CHoR Faculty with NIH grants

Investment Choices

- A – Bring in a funded investigator around which to build
 - Best available
 - Best fit within University strategic goals
 - Best fit within existing CHoR strengths (Pulmonary, Obesity)
- B – Multiple smaller strategic and non-strategic investments
 - Permits natural selection
 - Encourages younger faculty to mature
 - May fit better with CHoR development stage
 - Lower risk

Investment Choices - 2

- Choice A
 - Advantages – Quicker recognition, quicker funding increase, likely better mentoring, nidus around which to grow
 - Disadvantages – Higher risk. Limited attractiveness so bigger \$. Outcomes include bust, loss to higher bidder, or success.
 - Change in strategy with funder
- Choice B
 - Advantages – Lower risk. Ultimate net cost may be lower. Encourages many new/young faculty. Gives time for funder, for strengths to rise, for better fit for leader recruitment
 - Disadvantages – spend \$ on dead ends, waste time, get further behind others, misalignment with VCU goals

Choice B

- Phase 1 – invest in strengths, potentials, VCU goals
- Identify the strongest research area
 - Funding
 - Investigators
 - Collaborations
 - Potential
- Phase 2 – Recruit for national leader to head this
 - Will be more attractive
 - Will be more likely to stay
 - May be cheaper?

The CHRI – Inaugural Themes

- **Neurosciences**
 - Existing CHF supported multidisciplinary program including research
 - One of the major research foci for VCU research strategic plan
- **EPIC – Cardiopulmonary, Intensive Care, ER**
 - Research arm of the Children’s Hospital Foundation Heart Center
 - One of the major research foci for VCU research strategic plan
- **Health and Healthcare Equity**
 - Disparities received the second highest mentions in our survey
 - Improving the health of our challenged neighbors is a primary mission
- **Translational and Personalized Medicine**
 - Strengths in microbiome, genetics and bioinformatics, cancer
 - Multiple existing CHoR projects upon which to build

Services - Support

- Theme meetings to connect people
- Web site
 - For parents, for visitors, for investigators
- Regulatory and Grant Support
- CRCs
- Volunteer/Researcher switchboard
- Conferences
 - Monthly CHoR Research Conference
 - Annual Conference
- Grant Reviews
- Biostats (Year 3+)
- Pediatric Research Unit
- Mentoring

Branding

- Visiting Professors
 - 1/theme/year
- Targeted marketing to VCU, wider world
- Publications and meetings
 - High impact journals
 - National conferences
- Consistent visuals (name, logo, colors)
- Annual Report
- Web site

Grants

Grant Program	Value	5 yr No.	Total
CHF Research Program	Up to \$10,000	27	\$216,000
Research Scholar 1	\$35,000/yr x 2 yrs	1	\$70,000
Research Scholar 2	\$60,000/yr x 2 yrs	1	\$120,000
Research Scholar 3	\$100,000/yr x 2 yrs	1.5	\$300,000
Collaboration Grants	\$50,000	29	\$1,450,000
Trainee Grants	Up to \$2,000	35	\$75,000
	TOTAL	94.5	\$2,231,000

Aiming for 10x ROI to reach goal

Collaboration Grants

- Initial 2 – 3 years
 - Must involve research related to children
 - Must involve ≥ 2 investigators and CROSS lines
 - Can be mixed with or shared with other units (e.g \$25k from Massey/\$25k from CHRI)
- Subsequent years
 - Will be decided by Advisory Group

5 Year Goals

- Standard measures
 - Total external funding to \$31 million
 - NIH funding from \$1.4 million to over \$6 million
- Other
 - Blue Ridge ranking in top 35
 - Number of clinical trials and participants up by > 50%
 - Academic papers published up by > 50%
 - T-32 training grant
 - Reputation scores in USNWR up by > 300%
 - No reviewer concerns re: research environment

What Will This Cost?

	FY21	FY22	FY23	FY24	FY25	Total
Expenses	228300	220608	284597	294734	279279	1307518
Grants	158000	458000	505000	555000	555000	2231000
<i>Costs</i>	<i>386300</i>	<i>678608</i>	<i>789597</i>	<i>849734</i>	<i>834279</i>	3538518
Other Income*	110000	240000	285000	360000	385000	1380000
CHF Request	280000	440000	505000	490000	450000	2165000
<i>Revenues</i>	<i>390000</i>	<i>680000</i>	<i>790000</i>	<i>850000</i>	<i>840000</i>	3555000

*Other income includes Pediatric F&A and 50% admin support person from SOM

Monitoring

- Director reports to Dean, SOM and CEO, CHoR
- Annual written report to Dean, CEO, CHF Board, Internal and External Advisory Boards
- Theme reviewed yearly. Additions or deletions with agreement of Dean, CEO, Boards

Internal Advisory Board

- Director
- Theme leaders (4)
 - Tegwyn Brickhouse, DDS, PhD – Dentistry
 - Nicholas Johnson, MD – Neurology
 - Oliver Karam, MD PhD – Pediatric Critical Care
 - Bryce Nelson, MD PhD – Pediatric Endocrinology
- Academic Campus – Kathleen Rudasill, PhD
- Health Sciences Campus – Antonio Abbate MD, PhD
- Strategy Leaders –
 - David Cifu, MD - CERSE
 - Robert Findling, MD – VTCC/Psych
 - Greg Hundley, MD – Pauly
 - Ron Winn, MD - Massey