



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL

**BOARD OF TRUSTEES  
COMMERCIALIZATION & ECONOMIC  
DEVELOPMENT COMMITTEE  
NOVEMBER 18, 2015, 2:45PM  
CHANCELLOR'S BALLROOM EAST,  
CAROLINA INN**

---

**OPEN SESSION**

**FOR INFORMATION ONLY**

(No formal action is requested at this time)

1. Review Chancellor's Innovation Summit  
*Dana McMahan, Professor of the Practice, UNC School of Media & Journalism*  
*Judith Cone, Interim Vice Chancellor for Commercialization & Economic Development*
2. [Student Startup Presentation - CommuniGift](#)  
*Thomas Doochin, UNC Student Class of 2016*
3. [Faculty Entrepreneur Presentation - Spyryx Biosciences](#)  
*Rob Tarran, Associate Professor of Cell Biology and Physiology*  
*Don Rose, Director of Carolina KickStart*
4. Discussion on Process for Creating Next Strategic Document to Guide the Work  
*Lowry Caudill, UNC Board of Trustees*

\*Some of the business to be conducted is authorized by the N.C. Open Meetings Law to be conducted in closed session.

**COMMITTEE MEMBERS**

**W. Lowry Caudill, Chair**  
**Julia Sprunt Grumbles, Vice Chair**  
**Jefferson W. Brown**  
**Haywood D. Cochrane, Jr.**  
**Donald Williams Curtis**  
**Hari H. Nath**

***Administrative Liaison:***

***Judith Cone, Interim Vice Chancellor for Commercialization and Economic Development***

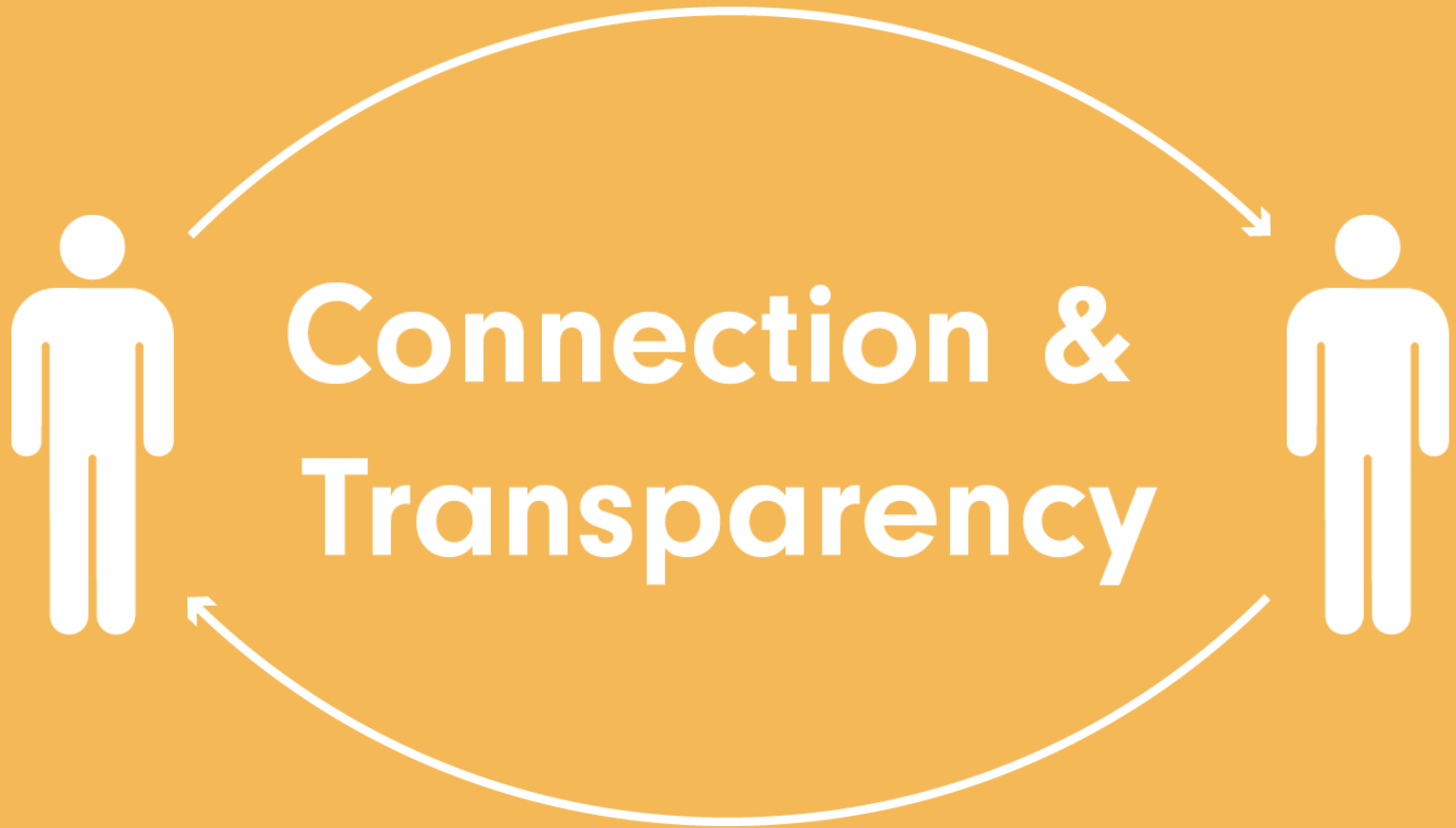




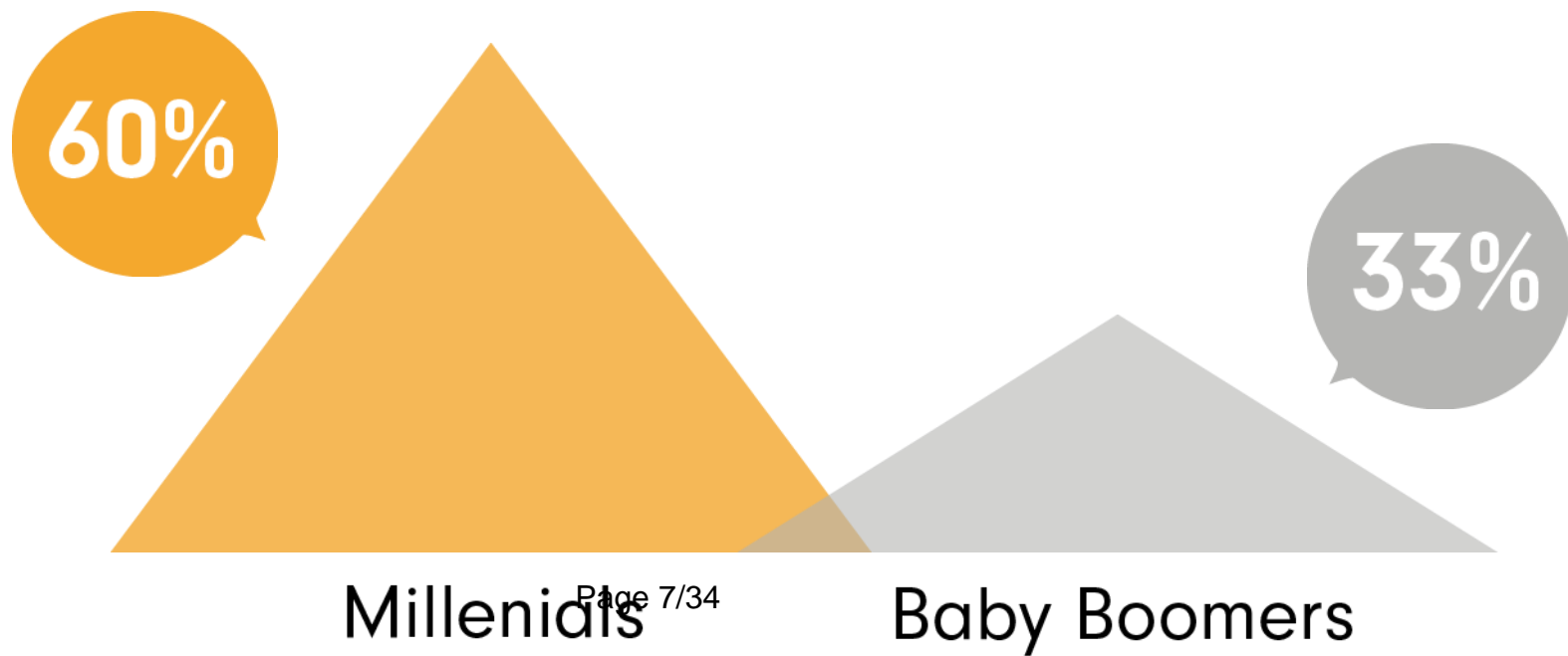








# The Ability To See Impact of Donations Mattered Most













First Year

Done

## The Jane Family

Search

### About

From [Eastern, NC](#)

Needy

### View Gifts For

All

All

Mom

Child 1

Child 2

Child 3



communiGIFT

Adopt a Family

Drives

How It Works

Login

Sign Up

0

I'm looking for a family of  people living in the  and affected by

We found **1031** families

**S. Zenteno Family**

Los Angeles, CA

Salvation Army of Southern...

This family consists of mom, dad, and 2 children. Husband is the only person working in the household and wife is going to school. To be able to make ends meet family comes to the salvation army to...

**Their Wishlist**

Adopt This Family

**Keesha B. Family**

San Pedro, CA

Salvation Army of Southern...

Low Income Family with three boys

**Their Wishlist**

Adopt This Family

**Tandra S. Family**

Raleigh, NC

Salvation Army of Wake County

The parents of Kevin and Susana are unable to provide gifts for their kids this holiday season. They are from Raleigh, NC.

**Their Wishlist**

Adopt This Family

2014



# 4x

as many people came and helped a family compared to other platforms.



# January 2015







# Reinventing Birthdays







1

commonGIFT Find Your Birthday Buddy How It Works Who We Are The CommuniGift

## Host Your Birthday

Get Matched Party Details Customize Invite Friends

### About Yourself

Your First Name \*

Your Birthday \*

Month Day Year

Continue to Party Details

### Your Birthday Buddy

**Adam**  
 ⬆️ Turning 4 years old ⬆️ Early August  
 📍 Los Angeles, CA

Adam loves to be active! He especially loves being outside and running as fast as he can.

🔒 Verified by Salvation Army of Southern California

2

commonGIFT Find Your Birthday Buddy How It Works Who We Are The CommuniGift

## Help Support A Child For Luke's 12th Birthday

PK: Jul 17 from 4:00PM - 10:00AM  
 📍 10674 Chelton Road Los Angeles, CA, United States  
[More Details](#)

**A message from Luke**

I want to give back on my birthday because I receive gifts every year and I want to give back this year and give gifts to a child, named Rafael, who is not fortunate enough to receive gifts for his birthday.

**CommuniGifters**

Be the first by buying a gift from Rafael's wish list to the right.

**Rafael**

🔒 Verified by Salvation Army of Southern California  
 ⬆️ Turning 5 years old ⬆️ Mid July 📍 Los Angeles, CA

He is always in a good mood. He enjoys playing games and puzzles with his friends. He gets along with all of his friends.

Show apps

3

## Celebrate and give back for CommuniGift's birthday

Respond to the invitation and buy a gift for a child in need in honor of CommuniGift's birthday.

[View Page to RSVP](#)

Invite sent by **The CommuniGift Team**

CommuniGift: Birthdays that give back

Everyone has their own 9 or 5, and we want to be here for you. Email, call, or text us anytime - we'll respond as soon as possible!

support@communigift.com | 213-986-8900 | United States

4

commonGIFT Find Your Birthday Buddy How It Works Who We Are The CommuniGift

## Cart

**Liliana**

Image	Name	Price	Quantity	Subtotal	
	Master Card Gift Card - \$25 + \$4 fee	\$29.00	1	\$29.00	<a href="#">Remove</a>

[Checkout](#)

# Our Nonprofit Partners

## Existing



*Delaware Health and Social Services*

## On Our Radar



**Girl Scouts®**



**BOY SCOUTS OF AMERICA**



# Future Possibilities



Holidays



Dinner Parties (Social  
Gatherings for Charity)



Weddings



Baby Showers



Bar/Bat Mitzvah





# My Carolina Experience

What's Been Incredible:

Where We Can Improve

# The Commercialization of SPLUNC1-Derived Peptides for the Treatment of Cystic Fibrosis Lung Disease

Robert Tarran, PhD



UNC  
SCHOOL OF MEDICINE

Page 26/34



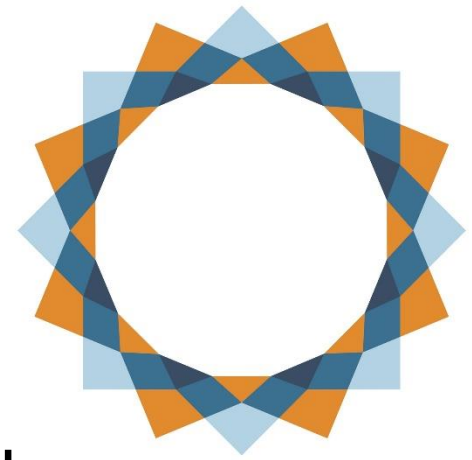
Spyryx  
Biosciences

# About Me



- Associate Professor in Cell Biology & Physiology
- Based in Marsico Lung Institute
- Funding from NIH, Charities and from Pharma
- 21 years of experience in studying ion channels & lung disease (CF, COPD, Asthma)
- Ongoing consultant for CF Foundation, Pharma

# About Spyryx Biosciences



- Formed as a UNC NEO Spin out LLC by Tarran/Rose in 2013
- Formed Spyryx Biosciences (C-corp) in Jan 2015
- Achieved ~\$18,000,000 in Series A in April 2015 (Hatteras, Canaan, 5AM)
- Raised \$500,000 in non-diluted funds from Cystic Fibrosis Foundation in July 2015





## Team

- ❑ **Rob Tarran, PhD – Founder, Director, & Chair SAB**
- ❑ **John Taylor – CEO & Chairman**
  - VP Corp Dev, Synageva BioPharma
  - VP BD, Javelin Pharmaceuticals
- ❑ **Dale Christensen, PhD – Head of Product Development**
  - CSO, Oncotide
  - VP, Research & Business Development, Cognosci

## Some Local Advisors

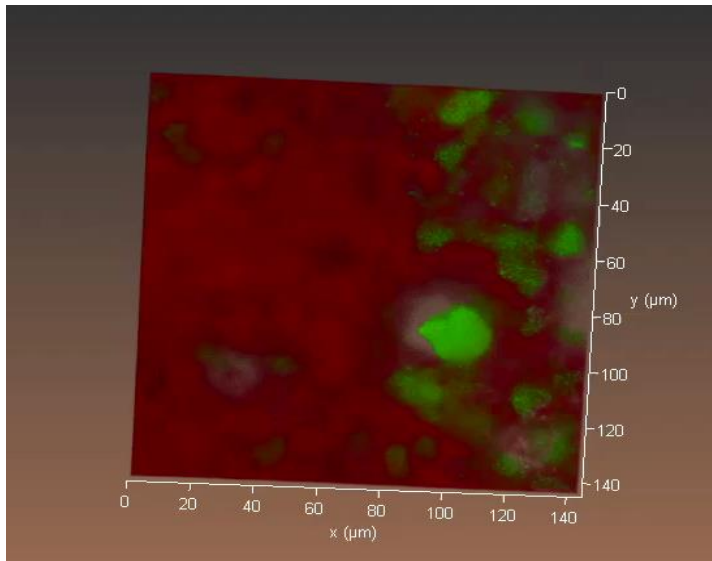
- ❑ **Scott Donaldson, MD** - Assoc Professor, Pulmonary Diseases and Critical Care Medicine – UNC School of Medicine
- ❑ **Tony Hickey, PhD** - Program Director, Inhaled Therapeutics - Research Triangle Institute
  - Founder - Cirrus Pharmaceuticals and Oriel Therapeutics
- ❑ **Lynn Smiley, MD** - Former Chief Medical Officer, Inspire Pharmaceuticals



# Our Peptides Increase Hydration in Diseased Airways

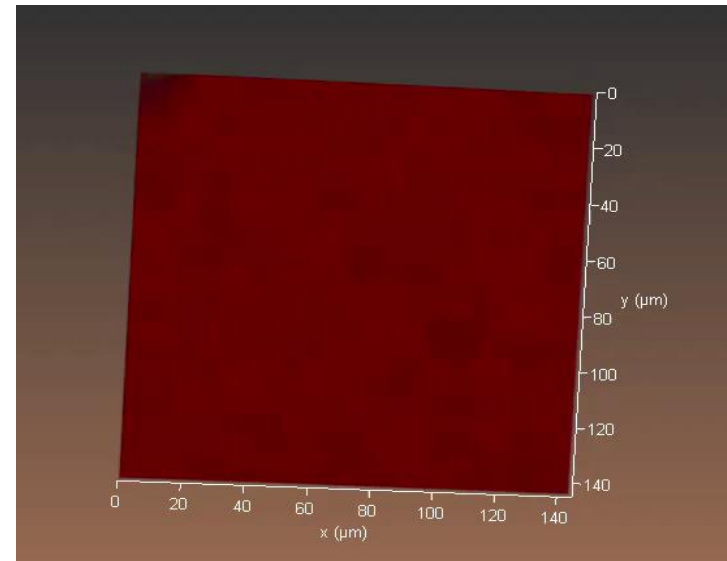
In Vitro CF Samples

## Cystic Fibrosis



**CF, Vehicle**

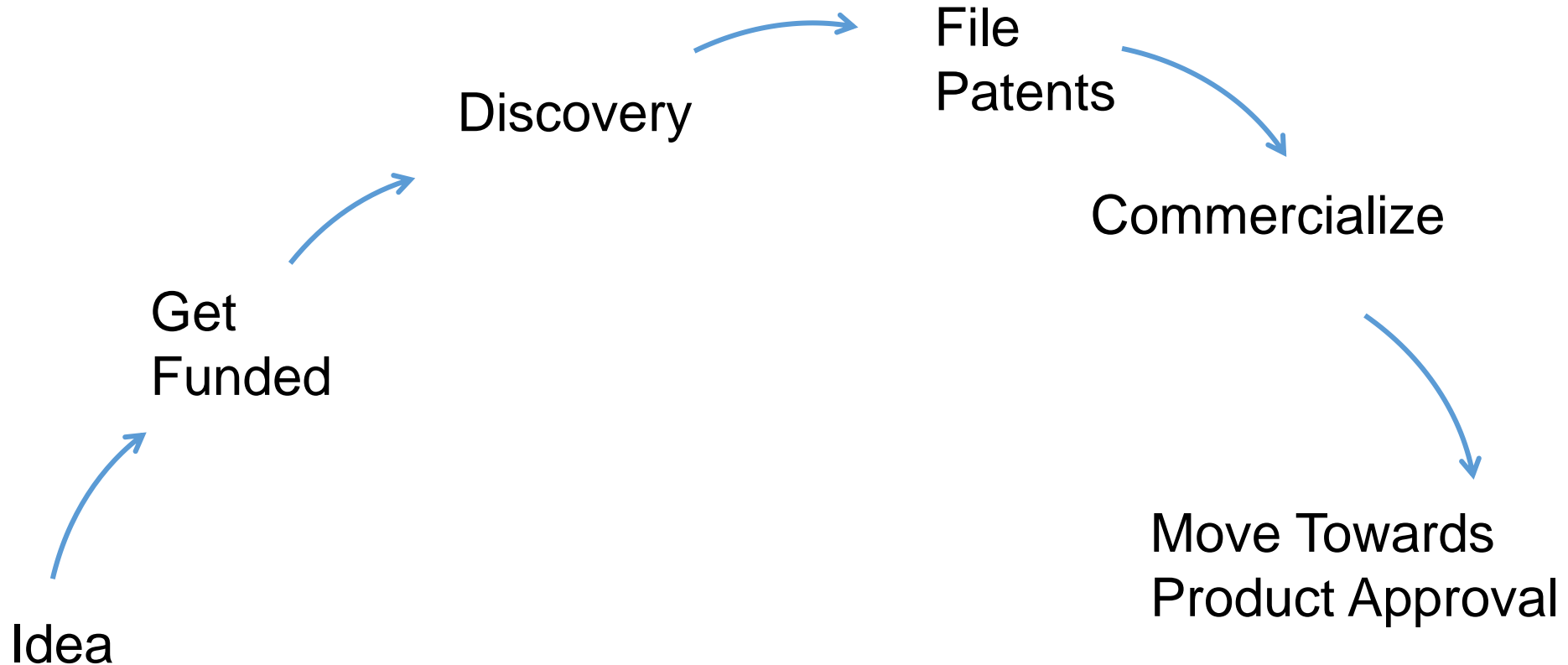
## Cystic Fibrosis Treated with our Peptide



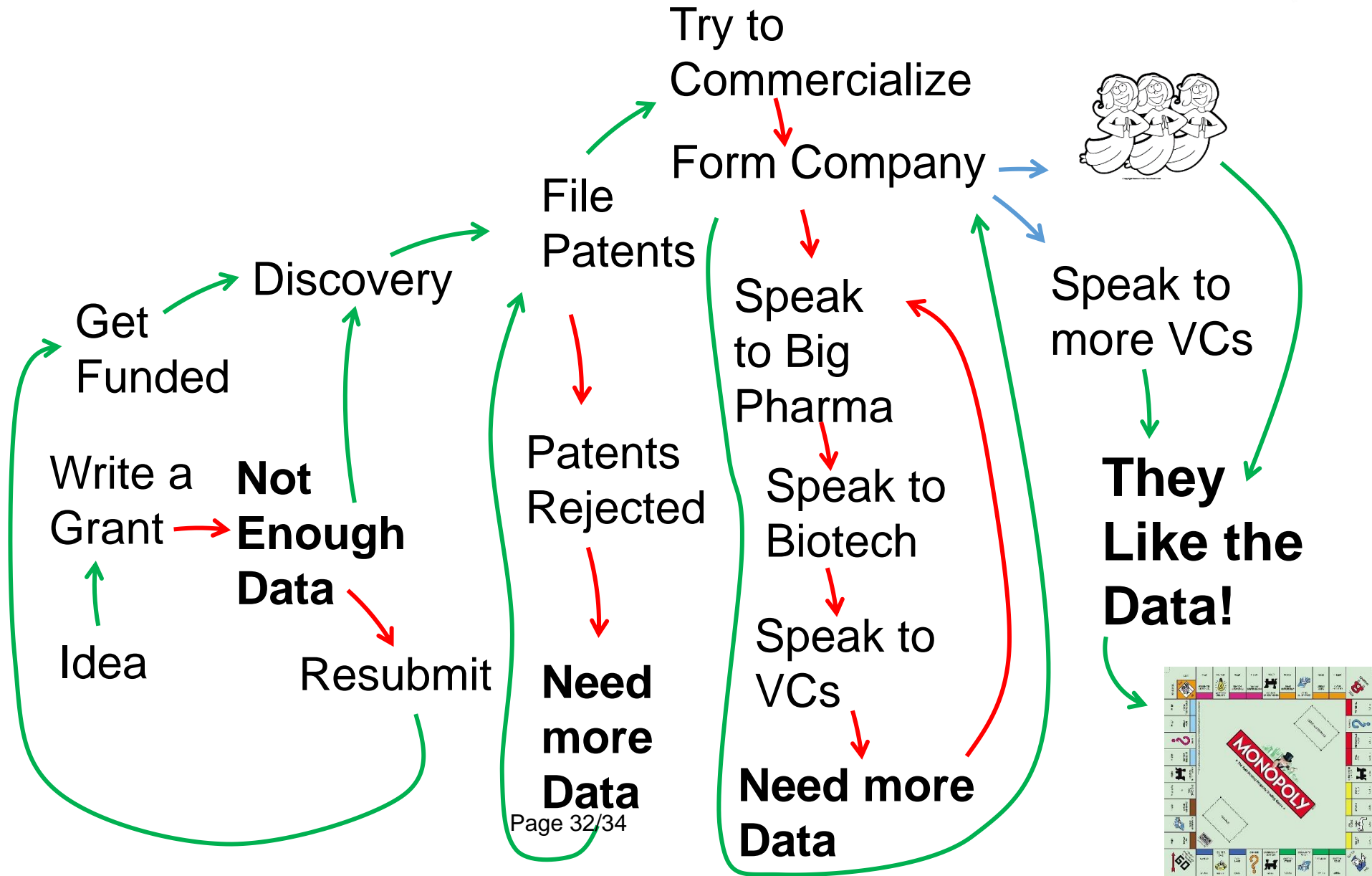
**CF, S18**



# The Way Forward?



# Is There a Way Forward?



# What Did UNC Do For Me?

- SoM Bridge Funding (between NIH Grants)
- Helped with patents (OTD)
- NEO/Don Rose
  - Education (my on the job MBA)
  - Networking
  - Financial/accounting/legal
  - Some \$\$\$
- Supportive Center Director & Chair
- NCBC Funding (\$300,000 over 2 years was also key)



**North Carolina  
Biotechnology Center**



# SPLUNC1 Peptide Therapeutics

## Replacement Strategy

