VALERIE LINDNER
11/2/1993-12/9/2023

By Henry Lindner
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PennState
Institute for Gravitation
and the Cosmos

Unschooled, Raised on Computers/Internet

- From birth needed constant activity/stimulation
- Grew up freely, NO forced learning (schooling)
- Windows 95: Enthralled by computer games!
- Unlimited computer/internet time--First Internet child!
- Didn't like humans! Loved animals—esp. dragons, dinosaurs. Loved drawing.

Mr. Fluffykins

Tick Bites at age 10

- Two engorged deer ticks, No rash or fever, No treatment
- Age 14: Depression, loss of ability to draw and communicate with online friends, bizarre hunger
- Afterwards could act OK with effort, but never felt OK, Constant mental/emotional discomfort
- Forced to live by her intellect, became super-logical
- Intense relationship with art, music (Nu Metal from 1990s-2000s)

Age 14-18: Distracted by College Courses

- Age 14: Took Basic Algebra and College Biology at local college
- Best in every class—shocked by students' lack of interest
- Age 17: Won Univ. of Scranton Integration Bee
- 80 credit hours at 3 colleges before Penn State

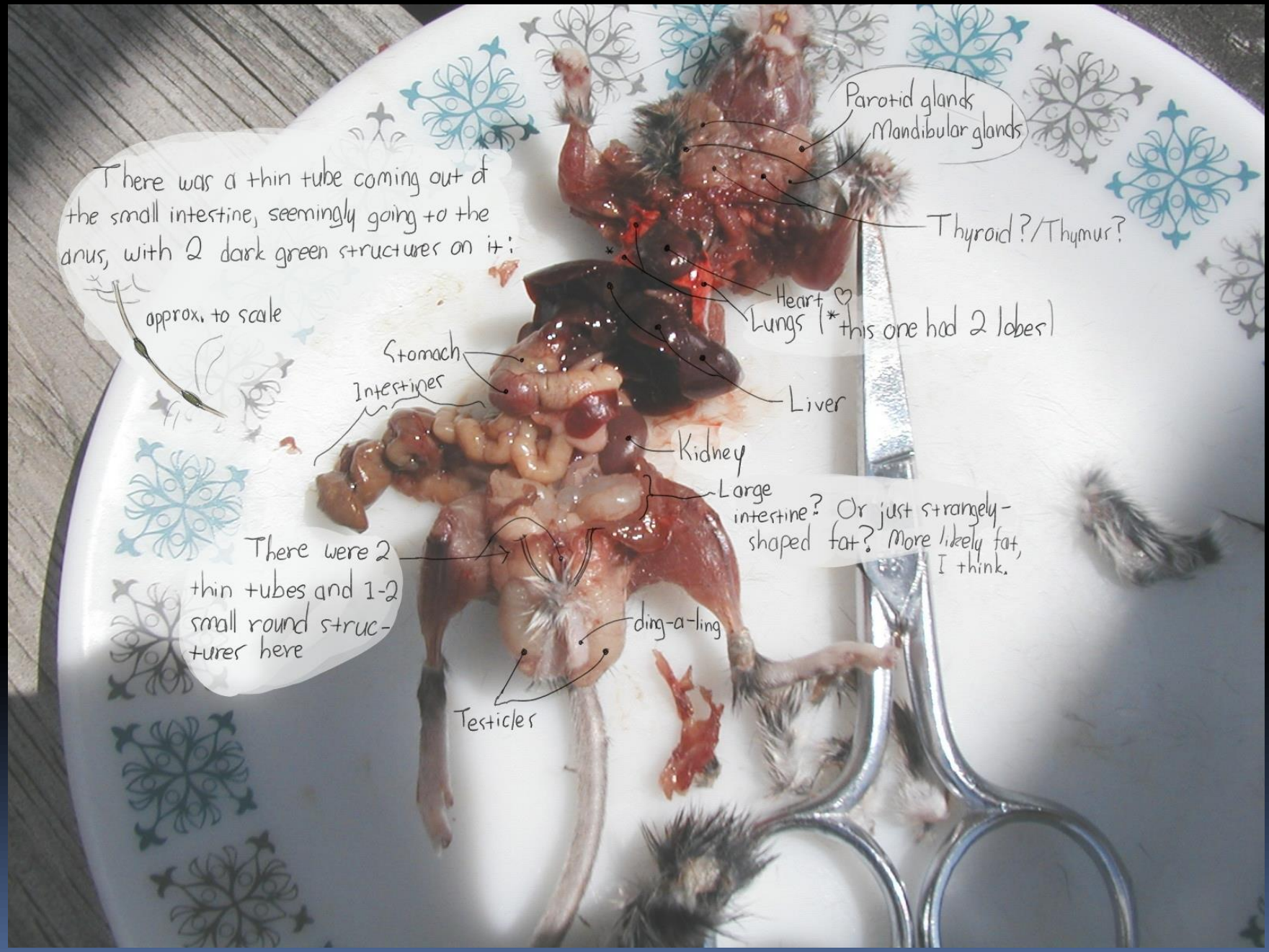
Attended physics conferences with father:

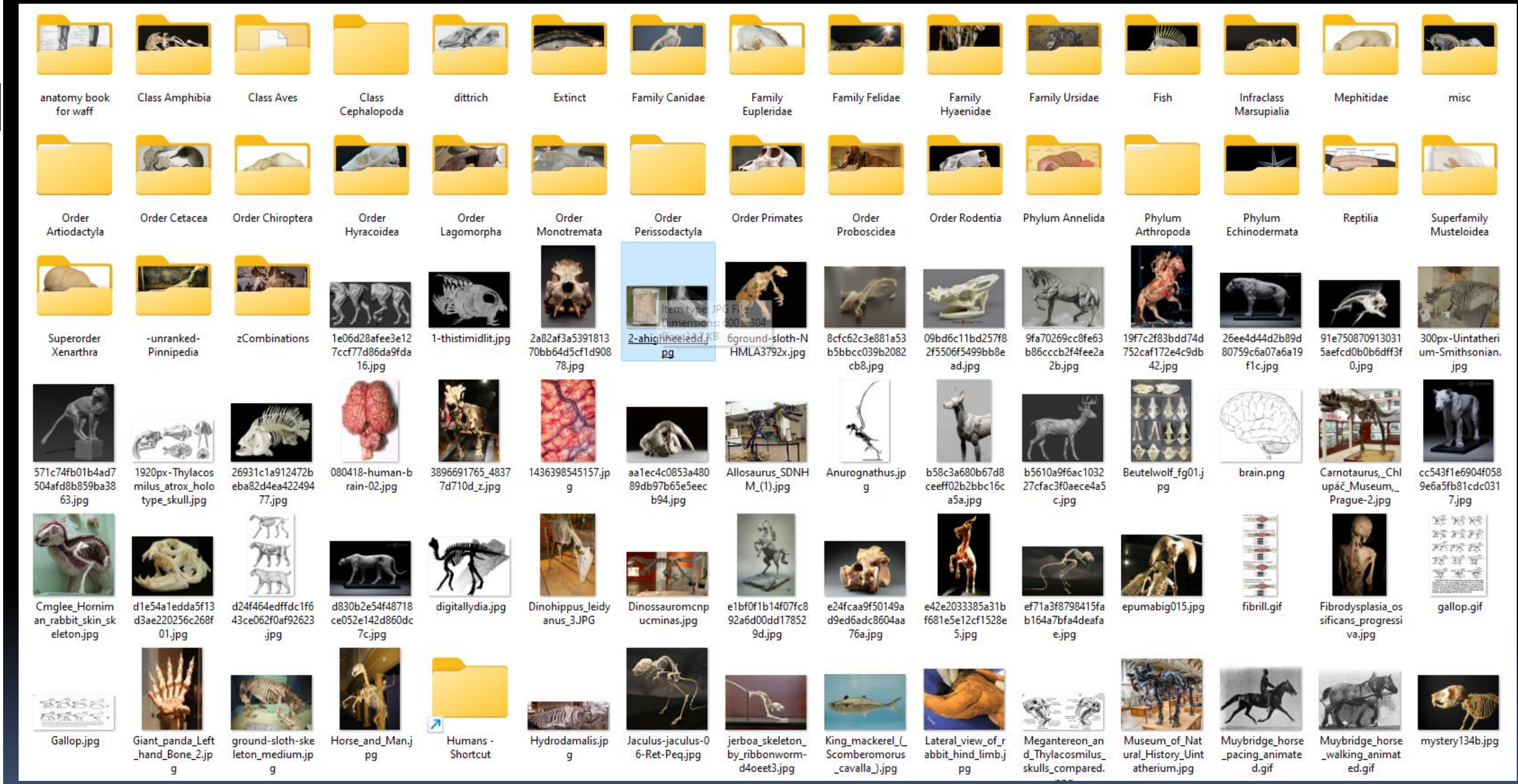
Natural Philosophy Alliance, Univ. of Conn.
2009, age 16

Society for Optics and Photonics, (SPIE) San Diego, 2011
age 18

Red-tailed Hawk

Having Fun:
Mouse dissection





Saved 40,000 images of animals, astronomy, architecture, food, art, people, etc.

Why Physics and Penn State?

- Didn't like this world; Wanted to master all sciences to create realistic alien worlds, beings
- Exposed to space theory through father—believed it worth pursuing
- Disliked MIT, Ivy League—pretentious; students overworked
- Liked Loop Quantum Gravity (not String Theory) due to quantization of space
- Impressed by Penn State's Institute for Gravitation and the Cosmos

2012-2016: Penn State Undergrad

- Stress of full-time classwork caused worse fatigue, brain fog, hunger
- Low brain stamina: Could do math but not socialize—conversations too draining
- Sought difficult courses—more distraction from mental/emotional pain
- Took grad courses in all three majors: Physics, Astronomy/Astrophysics, and Math
- When able: Discussed Relativity, QM, and Flowing Space with professors

Freshman year: Parents' Day October 2012

Society for Physics Students, presentation of Teaching Award, Sept. 2014

Geometric Mechanics Conference in Sanya, China, March 2014

2008-2015 Summers in Lebanon

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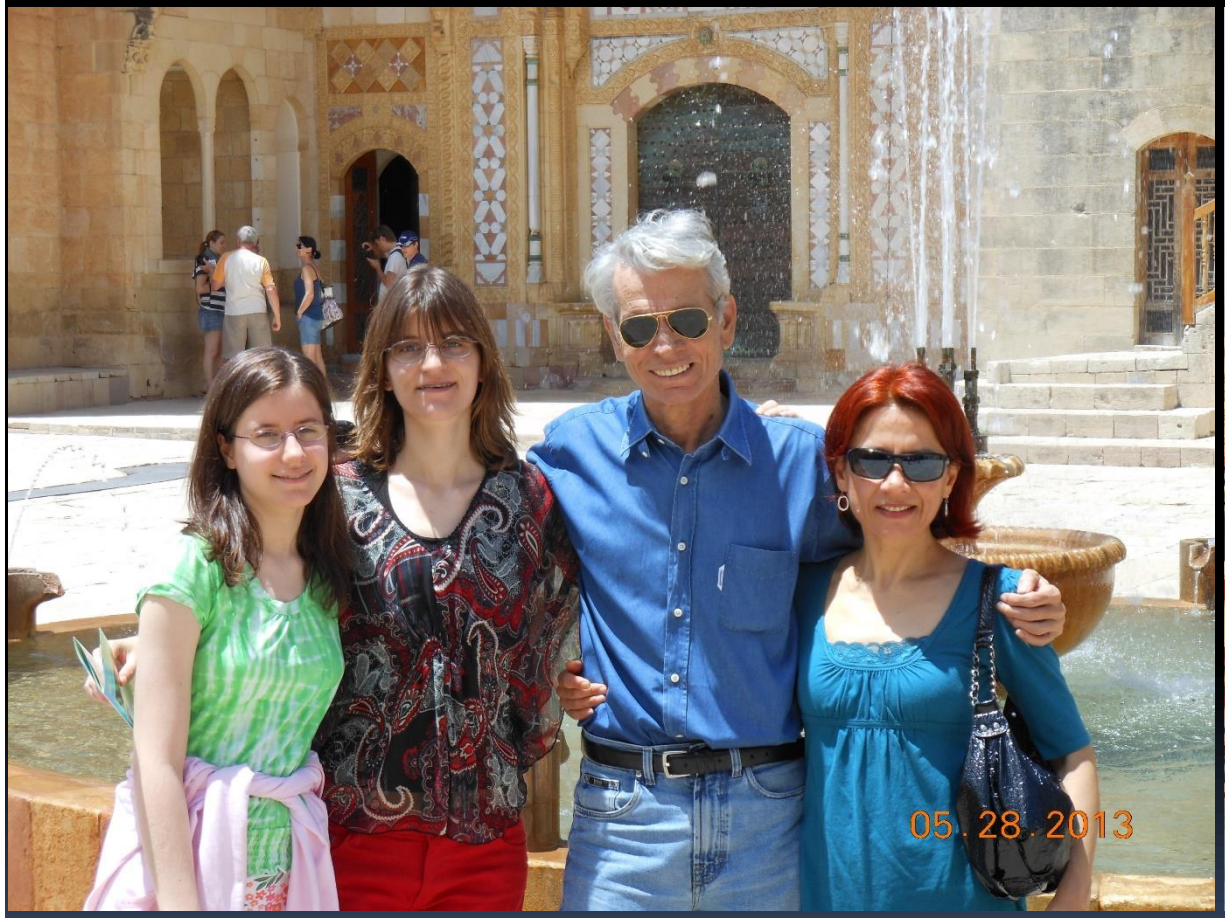


Penn State Honors

- Braddock Scholarship
- Evan Pugh Scholar Award: Given to juniors in top 0.5% of class
- Bert Elsbach Scholarship in Physics: exceptional achievement
- Kadtke Scholarship: Given to one junior astronomy student annually
- Sigma Pi Sigma Honor Society
- Three Degrees: Physics, Astronomy/Astrophysics, and Mathematics
- Chosen as student marshal by all three departments
- Physics Graduate Fellowship

Undergraduate Student Awards and Honors

Valerie Lindner, Braddock Scholar: Unschooled, but Not Uneducated

Despite never having stepped foot in a formal school environ-

cate their daughter. Linder was not enrolled in a traditional educational institution, nor was she homeschooled. Instead, she was a self-directed learner. "My parents did not set a curriculum for me or assign me homework of any sort. The choice of whether and what to learn was wholly mine. The only thing my parents did was provide me with unlimited access to a computer, the internet, video games, and books. And they happily answered any questions I had, of course," Lindner said.

a significant amount of time playing educational video games and accessing the Internet, she did not behave as one would expect. "One of the most unusual things about my upbringing is that, since I live in a rather isolated area of Pennsylvania, I essentially grew up on the Internet. And I did so at a time when it was making libraries of knowledge freely accessible to any curious person. I spent hours every day reading about science and art and communicating with artists and writers on the Internet."

Eberly College of Science Journal, June 2015

Illness Worsened at Start of Senior Year

- Got gradually worse with time
- Summer 2015: Didn't rest as usual, worked on grad school apps, Flowing Space
- Fall 2015: Got much worse after start of classes.
- Could not do intellectual work at same level
- Functioned temporarily on steroids, Graduated with difficulty

May 2016

Physics Grad School 2017-2018

- Bedbound for months after graduation: Had to recuperate for a year
- Medical tests normal: Energy improved with potent thyroid treatment
- At grad school, Deteriorated with stress of classwork, had to come home
- More disabled, first signs of inflammation/infection

Fall 2017 Grad Student Photo

Her favorite picture

June 2018: Began Medical Consultations

- "All emotions are painful": Encephalitis!, Unknown tick-borne infection?
- Consulted neurologist and Lyme-literate MDs
- Brain MRI abnormal—white matter hyperintensities
- Initial testing for tick-borne diseases negative
- Herxheimer reactions (immune reaction to killed parasites) with antimicrobials, especially antimalarials

Bartonella henselae: FISH and Antibodies

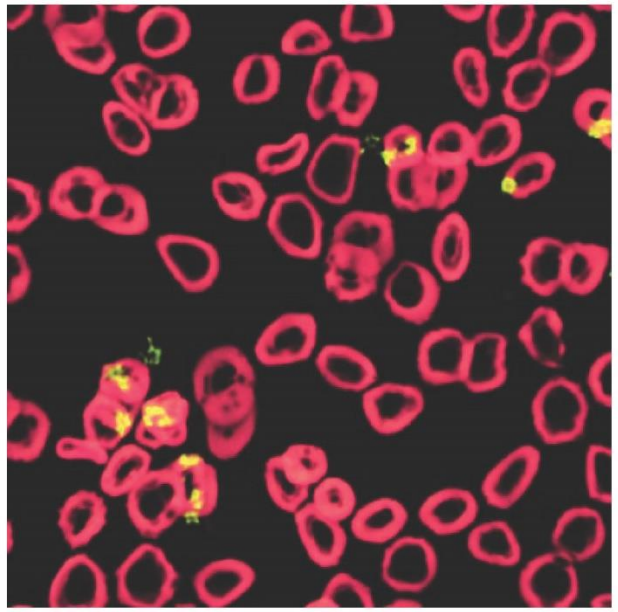
Common chronic infection
Many persons "asymptomatic"

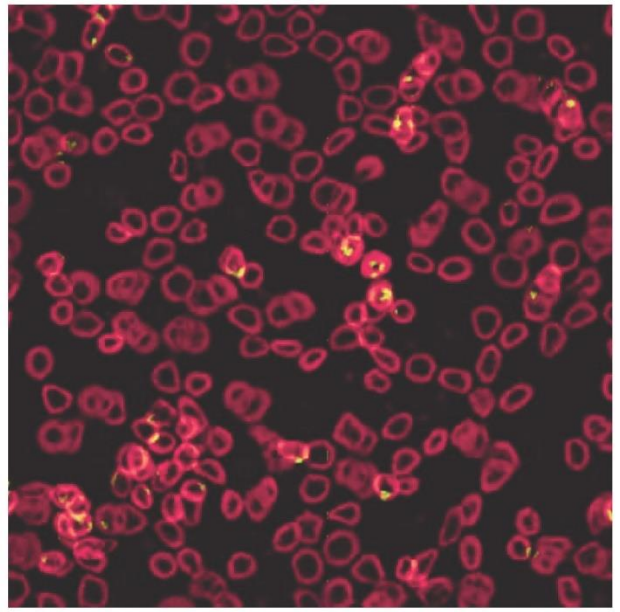
From cats or other animals—"Cat Scratch Fever"

9 months of treatment did not help

TEST RESULT		
Target	Method	Result
B. henselae 23s rRNA***	*in situ* hybridization and Confocal Laser Microscopy	Your result is: **Positive** (Research Use Only) (Reference value is "negative")

REPRESENTATIVE IMAGES





Tlab 2019: Fluorescence in situ hybridization (FISH) test—proving current infection
Galaxy Diagnostics: Positive antibody test

IGeneX Finds Chronic Babesiosis

September 2019

Positive FISH= *Babesia* parasites present in blood

BABESIOSIS

B. microti IFA - IgM	Serum	<20	< 20 : Negative = 20 : May or may not indicate active infection >=40 : Indicates active infection	Titer
B. microti IFA - IgG	Serum	<40	< 40 : Negative < 160 : May or may not suggest active infection >=160 : Indicates active infection	Titer
Babesia FISH	W blood	**Pos**		

TEST	SPECIMEN	RESULT	REFERENCE RANGE	UNITS
Babesia PCR				
B. microti	W blood	Neg		
B. duncani	W blood	Neg		
B. duncani IFA - IgM	Serum	**80**	< 20 : Negative = 20 : May or may not indicate active infection >=40 : Indicates active infection	Titer
B. duncani IFA - IgG	Serum	<40	< 40 : Negative < 160 : May or may not suggest active infection >=160 : Indicates active infection	Titer

Oct. 2020: Antibabesial Treatment

- 2018-2020: Got worse with all antimicrobial treatments, immunotherapy
- No benefit from hyperbaric oxygen, intravenous immunoglobulin
- Sept. 2020: Neurologist—high-dose steroids for "autoimmune encephalitis"—got much worse during withdrawal—began needing very high steroid doses to survive
- October 2020: "Your body is rejecting the *Babesia.*" Father started potent antimalarials→Hemolysis, ↓'d steroid need, improvements, but severe derealization/depersonalization

TLab: *Babesia odocoilei*

May 2021

B. odocoilei is in 20% of deer ticks in Pennsylvania—yet has been ignored!

Host is *Odocoileus virginianus*—the white-tailed deer

Produces chronic stealth infection

TEST RESULT		
Target	Method	Result
Babesia odocoilei 18s rRNA**	*in situ* hybridization and Confocal Laser Microscopy	Your result is: **Positive** (Research Use Only) (Reference value is "negative")

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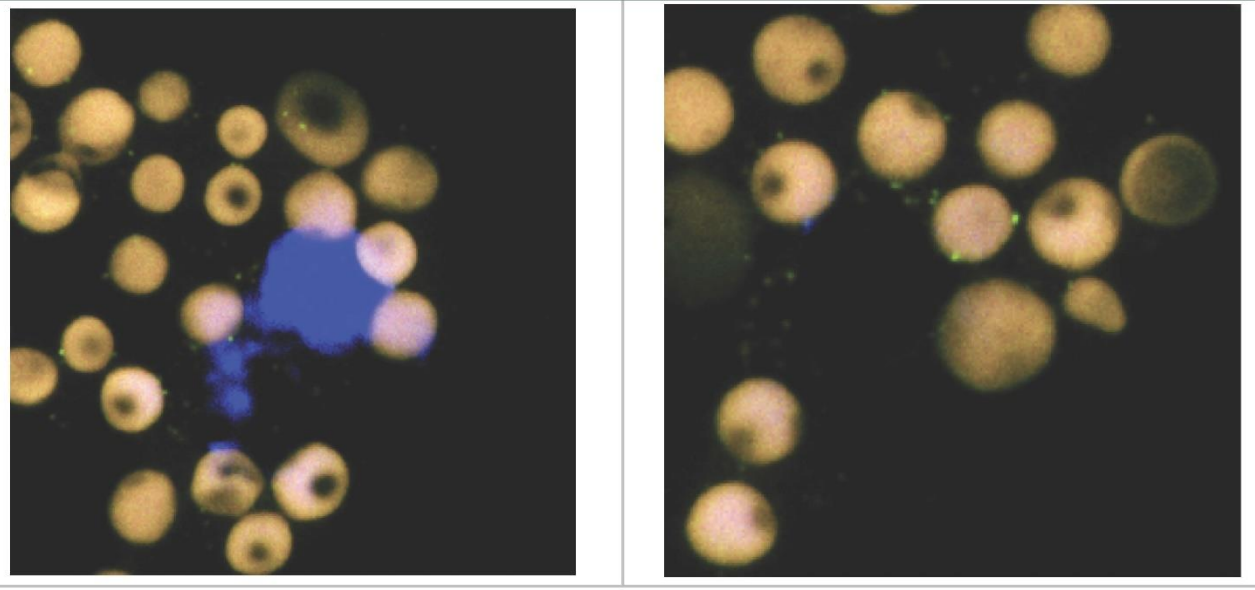
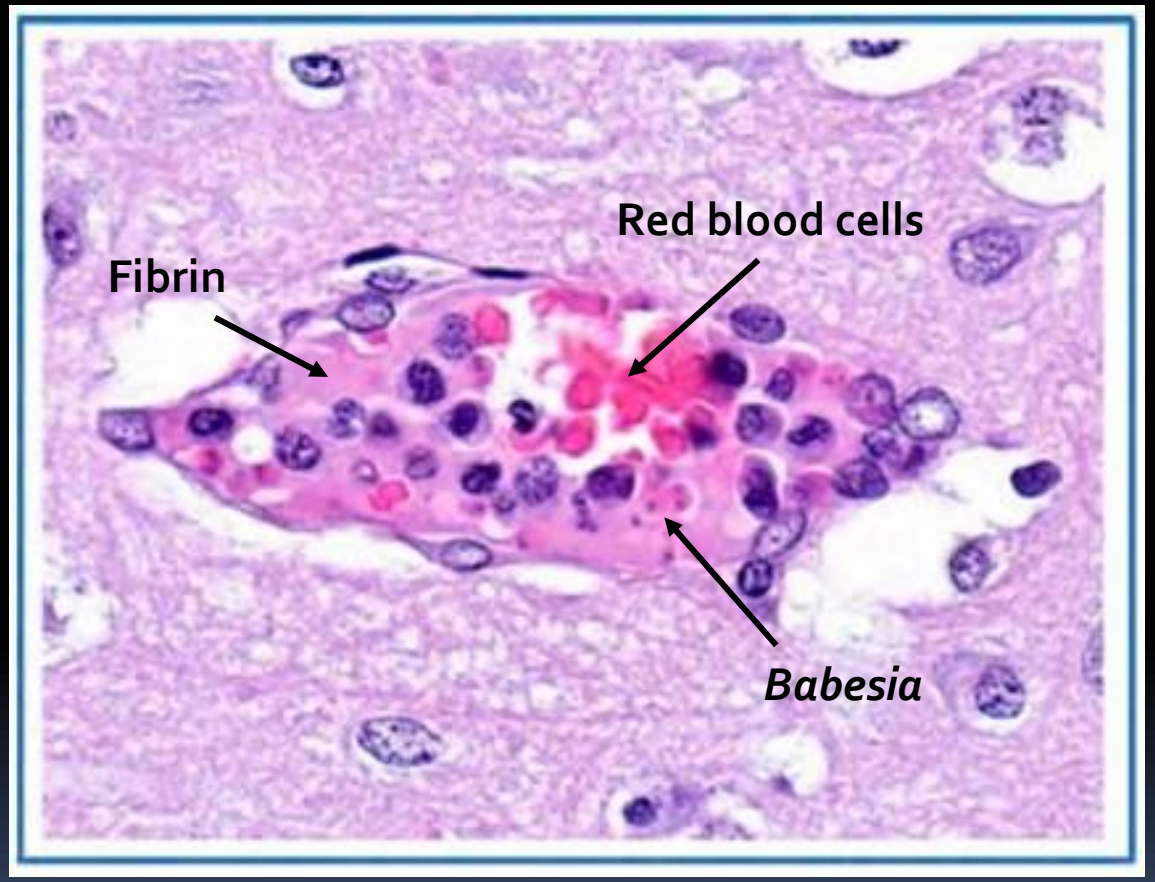


FISH test

Babesia Intravascular Nest in Dog Brain

Babesia similar to malaria: Immune-system-evading parasites that inhabit red blood cells

B. odocoilei is the probable cause of most "chronic Lyme disease", "chronic fatigue syndrome"



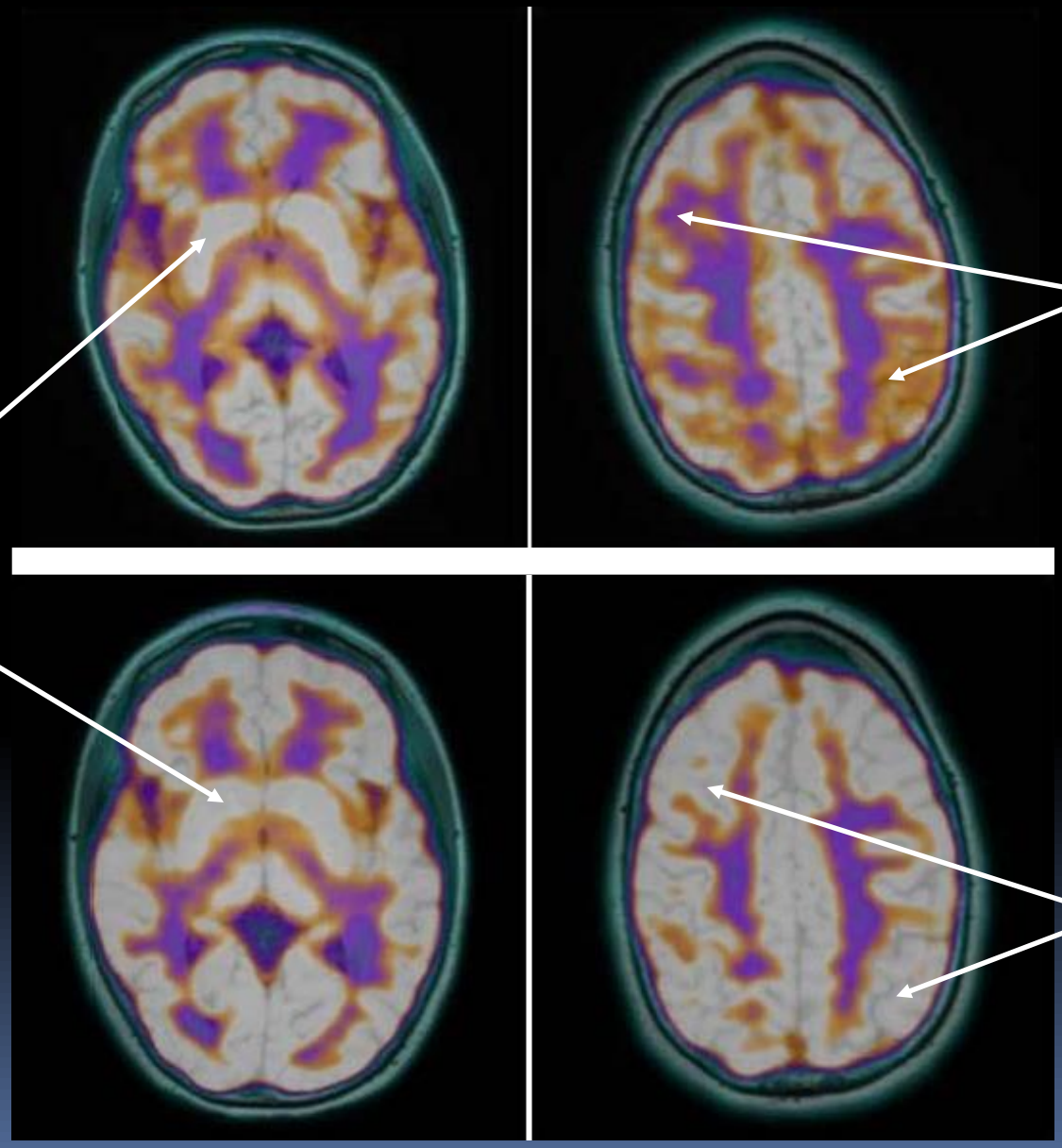
B. odocoilei is a sequestering *Babesia* species→Lifelong Stealth Infection
Creates fibrin-bonded nests in capillaries throughout body including brain

April 2021: Addition of Lumbrokinase

- @6 months Rx: Little add. improvement, still unable to read, write to friends
- Father added lumbrokinase to dissolve *Babesia* nests
- Dramatic: Increased hemolysis, Herxheimer reactions, steroid need, improvements!
- Gradual improvement with courses of fibrinolytics, but needed high steroid doses due to Herxheimer-like reactions→Adverse steroid effects

18 months of Rx: Improved Brain Function

BEFORE
(January 2020)



Darker = Hypometabolism in cortical regions

Hyperactive basal ganglia, limbic structures— unchanged

PET = Positron-emission tomography with radioactive F-18 fluorodeoxyglucose (FDG)

AFTER
(March 2022)

Much improved metabolism

Returned to Grad School 2022-2023

- Grad. lab in fall, Stat Mech in spring—Completed all required courses.
- Still needing antibabesials to kill parasites, fibrinolytics to break up nests
- ↑'d intellectual, emotional activity → ↑'d blood flow to nests in brain's blood vesssels → ↑'d exposing/killing of parasites → ↑'d "Herxing", steroid need
- Needed higher steroid and antimicrobial doses for months afterwards

Unable to return to PSU in Fall 2023

- Mental/physical stamina slowly improving, but still disabled, dysphoric
- Tired of struggling, being betrayed by her brain and body, unable to do what she wanted to do.
- Late November 2023: While clearing *Babesia* nests with fibrinolytics, she caught a rhinovirus → labored breathing, very ill
- At hospital, obvious hemophagocytic syndrome – a severe immune system reaction where white blood cells attack one's own tissues/organs → Death.
- See details at http://www.hormonerestoration.com/chronic-babesiosis

Val's Tragic Life: Two Hits, Two Persons

- Anhedonia, dislike of self/humans since childhood -- in 2022 Val decided she had an attachment disorder. Possibly due to intrauterine *Bartonella* infection
- Babesiosis worsened brain inflammation → more negative emotions, low mental stamina; took away her ability to compensate, function, meet her needs
- Without fibrinolytics could not improve; with them needed very high steroid doses to tolerate killing of parasites. Conclusion: Too heavily infested (brain), Untreatable
- Two Persons: Cerebral Valerie (an act), Limbic Valerie: constant negative feelings/emotions. Lost all hope of fixing her attachment disorder.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NOV. 2,
1993
DEC. 9,
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