

PHI BETA KAPPA

Alpha Association of Colorado

Summer 2017



TWO DU PBK INITIATES WIN 2017 SCHOLARSHIPS

The Alpha Association of Colorado is pleased to announce the 2017 winners of our two scholarships for graduate studies. Andrew Pham has been awarded the \$3,500 scholarship, and Lauren Lustig the \$1,500 scholarship. Both were initiated into the PBK Gamma Chapter at the University of Denver in their junior year. All of this year's applicants were well-qualified and had excellent credentials.

We are grateful to all Alpha Association members who have made donations to our Scholarship Fund this past year, making these awards possible. We also thank the Scholarship Committee members for their dedicated work in thoroughly reviewing the applications before choosing the two winners. The committee consisted of Barbara Berryman (Chair); Tom Hall; Rob Wellington; Jim Elkins, Ph.D.; Amy Rell, Ph.D.; and Christine Bliven, M.D. The PBK Alpha Association board approved the committee's recommendations.

Andrew Pham



Andrew Pham graduated magna cum laude from DU in June 2017 with a double major in molecular biology (with University Distinction

honors) and sociology. As an undergraduate, Andrew received a collaboration grant from the Boettcher Foundation to conduct research with the Pearson Lab at the Anschutz

Annual Meeting — October 21, 2017

Dr. Eric W. Frew Will Speak about Using Drones to Study Severe Weather, Including Tornadoes

Dr. Eric Frew is an Associate Professor in the Aerospace Engineering Sciences Department, the Director of the Research and Engineering Center for Unmanned Vehicles (RECUV), and the Associate Director of Technology, Integrated Remote and In Situ Sensing (IRISS) Initiative at the University of Colorado, Boulder. He received his Ph.D. in Aeronautics and Astronautics from Stanford University in 2003. Among other things, Dr. Frew uses drones to study severe weather. New drone technology is enabling the shift from remote observation to in situ science in which autonomous systems actively assimilate data and explore.



Dr. Frew's research focuses on establishing the fundamental connections between sensing, communication, and control in robotic sensor networks, with an emphasis on heterogeneous unmanned aircraft systems. Understanding these connections enables the creation of robust, efficient, persistent robotic sensor networks that can move both sensors and information in the best way to the best locations to make the best forecasts. Dr. Frew was co-leader of the team that performed the first-ever sampling of a severe supercell thunderstorm by an unmanned aircraft. More recently, he was part of a team that used multiple drones to feed measurements directly to the National Weather Service while it was making severe weather predictions and hazard warnings. He will be speaking about his work creating advanced unmanned aircraft technologies and using them to study severe weather, including tornadoes.

Medical Campus. Through his work in the lab, he was published as a collaborative author in the scientific journal *Biology Open* and found results that turned into his undergraduate thesis, "Does trisomy 21 cause a cilia defect?" He will be attending the University of Colorado School of Medicine in the fall.

In his application Andrew told us about himself (using the third person): "Growing up in Colorado, Andrew's sense of wonder was captivated by sunsets on the mountains, golden aspen leaves, and intricate snowflake patterns. During his time at the University of Denver, this insatiable curiosity was most visible in his choice of studies

— a B.S. in molecular biology and a B.A. in sociology with minors in chemistry, mathematics, and leadership studies. Even more fundamental to Andrew's identity, though, is his Vietnamese heritage. As a first generation Vietnamese American, Andrew always ate dinner with his family, tended to his grandparents, and fulfilled his responsibilities as the oldest child. This upbringing instilled in him the importance of cultivating relationships. Thus, Andrew's aspiration to become a physician stems from an amalgamation between his scientific curiosity and a want to maintain relationships between people. Over the past few years, each of Andrew's pursuits —

e.g. mentoring students as a Sunday school teacher, working with constituents through Senator Bennet's office, or culturing cells in the Pearson Lab — engaged him in these aspects of medicine.”

Andrew also studied abroad in Glasgow, and he has played classical piano since he was four and a half years old. He tells us, “Through the years, this hobby and skill has instilled in me a sense of resilience, independence, and curiosity.”

Lauren Lustig



Lauren Lustig graduated summa cum laude from DU in June 2017 with a B.S. in chemistry with University

Distinction honors. She will be attending the University of Colorado School of Dental Medicine in the fall.

Lauren has lived in Denver her entire life and was homeschooled for all 12 grades. Among her other awards, she was outstanding senior in chemistry. Lauren was a member of a DU organic chemistry lab, wrote a senior thesis based on her private research there, and was personally invited by the Senior Associate Dean for Research, Professor and Vice-Chair of the Department of Craniofacial Biology to become a member of the CU Dental School's lab, which focuses on polymeric biomaterials and polymer chemistry.

Lauren has a number of interests outside of academia. She has been riding horses since she was four years old and competed under the United States Eventing Association for ten years. She loves swing and blues dance, and she enjoys playing the piano and carillon. Lauren is also very involved in political activism, especially in the areas of environmental protection, animal

ANNUAL MEETING OCTOBER 21, 2017, AT THE DENVER ATHLETIC CLUB

The Alpha Association's annual meeting will be on Saturday, October 21, 2017, in the Petroleum Room at the Denver Athletic Club, 1325 Glenarm St., Denver, CO 80204 (<http://www.denverathleticclub.cc>). Metered parking is available on nearby streets and paid parking (\$7) at the DAC parking lot (enter either on 14th Street or Welton).

A short business meeting to review the past year and to elect officers for the coming year will begin at 11:30 a.m. After lunch Dr. Eric Frew will begin his talk. (Please see the box on page 1 for more information.)

The cost of the lunch will be \$30, and attendees may choose from the entrées listed on the reservation form. As always, guests are welcome!

If you plan to attend, please return the attached reservation form along with a check for your lunch to the address on the reservation form.

Reservations must be received by Tuesday, **October 17, 2017**. If you make a reservation but cannot attend, phone Greg Sorensen at 303-832-2587 by Wednesday, October 18, to cancel. After this date, we will not be able to refund the lunch cost because we are guaranteeing the number of guests.

2017–18 BOARD SLATE

The following members have agreed to run for the board of directors for this coming year:

President: Greg Sorensen

Vice President for Programs: Joy Berrenberg

Vice President for Membership: Barbara Berryman

Secretary: Rob Wellington

Treasurer: Diane Palese

Nominations will also be taken from the floor.

rights, and education. She is a voracious reader and enjoys collecting antique books (particularly American works from 1870 to 1930).

Through the years she has produced some of her own literary work and hopes someday to publish her fiction. Lauren's writing sample submission for her scholarship application was an intriguing fictional short story entitled “Eli's Witness.”

RECENT ALPHA ASSOCIATION EVENTS

Recent events held by the Alpha Association include:

- **February 9, 2017** — A private tour of the “Glory of Venice” exhibit at the Denver Art Museum followed by dinner at Cuba Cuba.
- **March 17, 2017** — Lunch discussion at the University Club about

how higher education can be reimagined in this country to fit the needs of a diverse student and work population.

- **April 8, 2017** — Annual banquet at Briarwood Inn with a talk by Dr. Elizabeth Campbell, Associate Professor of History at DU, about the history and legacy of Nazi art looting, focusing on the lasting impact on museums, the global art market, and victims of Nazi persecution and their heirs.
- **April 28, 2017** — Lunch discussion at Pints Pub about the pros and cons of capitalism and socialism, and whether there is an ideal mix of the two systems.
- **June 30, 2017** — Private tour of the Alexander Calder exhibit at Denver Botanic Gardens followed by a picnic.

ANNUAL MEETING RESERVATION / MEMBERSHIP RENEWAL

Annual Meeting Reservation

Names of Member & Guests _____

Please indicate an entrée choice(s) and how many of each:

- ___ Chicken Manchego (pan-seared chicken breast on a bed of spinach, topped with chicken/lemon/thum broth and shaved Manchego cheese; served with fresh vegetable medley and oven-roasted red potatoes)
- ___ Herb-Crusted Salmon in Dill Beurre Blanc (served with fresh vegetable medley and oven-roasted red potatoes)
- ___ Grilled Vegetable Napoleon (gluten free)

Number of lunch reservations, including guests: ___ @ \$30.00 per person: \$_____

Membership Renewal

Sustaining membership \$30.00 _____

Contributing membership \$100.00 _____

Life membership \$500.00 _____

Additional Donation (___ Scholarship Fund ___ Members' Endowment) _____

Total amount of payment: _____

Make your check payable to Phi Beta Kappa, Alpha Association of Colorado. Your donations are tax deductible to the extent the law allows. Please detach this form and mail it with your check to

Phi Beta Kappa, Alpha Association of Colorado
PO Box 9476
Denver, CO 80209

To make your reservation and pay by **PayPal**, send your payment to treasurer@pbkcolorado.org. In the message box please indicate your entrée choice, your name and the names of your guests. Also please note if you are also renewing your membership, and any additional donation to the Scholarship Fund or the Members' Endowment.

Paid reservations for the annual meeting must be received no later than Tuesday, **October 17, 2017**.

- **July 28, 2017** — Lunch discussion at the FIRE restaurant in the ART Hotel about social media and privacy.
- **September 9, 2017** — A tour of Dinosaur Ridge for potential new Alpha Association members as part of the national society's Key Connections week.

MEMBER SURVEY

Included in this year's newsletter is a brief survey about what types of Alpha Association activities would interest you in the future. Please fill out the survey and mail it back to us with a 49-cent stamp (or include with your annual meeting reservation). We appreciate your interest and feedback as we plan new activities. Also, please let us know if you would like to help plan new activities.

NEW ALPHA ASSOCIATION MAILING ADDRESS

The Alpha Association has a new mailing address: PO Box 9476, Denver, CO 80209. Please send all correspondence to this address.

DUES / EMAIL AND STREET ADDRESSES

Please check your address label to see when your dues expire. Your membership can be renewed by using the reservation / renewal form in this newsletter or through PayPal (send payment to treasurer@pbkcolorado.org).

Also, please send any new street or email addresses to board@pbkcolorado.org. If you have not received any recent emails from us, we do not have a valid email address for you.

IN MEMORIAM

Helen Dorothy Bredar passed away July 20, 2017, at age 93. She was elected to Phi Beta Kappa in 1947 at the University of Iowa, and she was a docent at the Denver Art Museum for 30 years.

Harriet Wildman Coussons died on March 28, 2016. She is survived by her husband, Tim Coussons, MD, who is also an Alpha Association member. Harriet enjoyed a distinguished career in pediatric medicine, graduating from Johns Hopkins School of Medicine in 1965 and completing fellowships in both pediatric endocrinology and developmental pediatrics at the University of Oklahoma Health Sciences Center.

The board of directors has made a \$25 memorial donation to the Members' Endowment in the memory of each of these former members.



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ALPHA ASSOCIATION OF COLORADO
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Denver, CO 80209

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Annual Meeting

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11:30 a.m.

Denver Athletic Club, Petroleum Room

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