

**Department of
Population
Health**

**College of
Veterinary
Medicine**

953 College Station Road
Athens, GA 30602



**Poultry Diagnostic and
Research Center**

Poultry Diagnostic and Research Center



- Provides field services to the poultry industry in Georgia
- Conducts applied and basic research to solve current poultry health problems
- Trains the next generation of poultry veterinarians and health professionals
- Monitors the health of Georgia's poultry to ensure a rapid response to the next pandemic



**Poultry Diagnostic
and Research Center**
College of Veterinary Medicine
UNIVERSITY OF GEORGIA



Instruction



Current MAM Students



Maggie Thompson, Roel Becerra, Isabella Hannay

New MAM Students



Ashley Hallowell



Maurice Raccousier



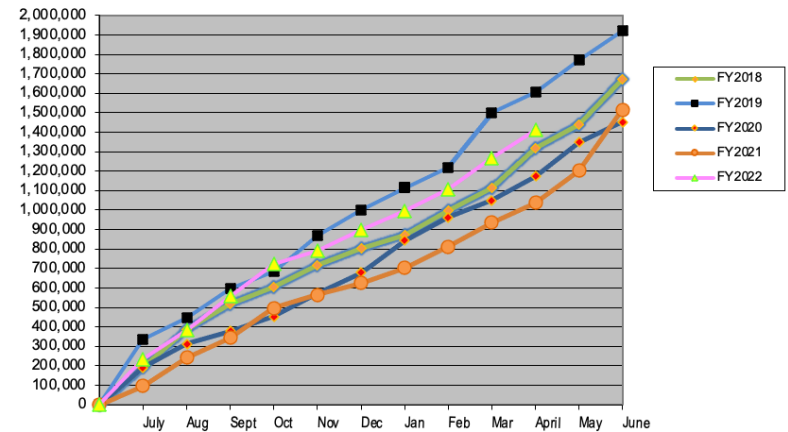
Reece Bowers



2021 Diagnostic laboratory & Field Services Data



Accumulative Income for FY18, 19, 20, 21 & 22



Diagnostic cases	Necropsy cases	Histopathology	# Field trips/ # birds (chickens, turkeys, quail)
6405	510	752 (2582 slides)	59/ 6.75 million birds

~\$1.63 million total revenue in FY21
[FY22 income is up 43%]

We offer over 204 diagnostic tests



16 Faculty at PDRC are engaged in the following research areas:

Isolation, identification and characterization of important avian pathogens

Avian influenza virus

Infectious bronchitis virus

Vaccine application methods

Avian enteric viruses (reovirus & astrovirus)

Salmonella, E. coli, Camplobacter, Clostridium

Coccidia prevention and control

Infectious laryngotracheitis virus

Avian Mycoplasma

- 56 Peer-reviewed publications last year
- 24 Active grants for over \$1.6M

Open positions:

- Avian Microbiologist (PDRC)
- Precision diagnostics- microbiology
- Precision diagnostics- virology



INFECTIOUS DISEASE | JANUARY 4, 2022

Testing for Salmonella, 100-plus colonies at a time

By [David Terraso](#) | Photography By [Jason Thrasher](#)



CRISPR-SeroSeq: Identifies all of the different *Salmonella* in a sample



Science & Technology

Low levels of high-risk salmonella evade traditional methods of detection

June 7, 2022 · by Leigh Beeson



Nikki Shariat

- Published in Applied & Environmental Microbiology
- National Salmonella Data showed that contamination in chickens decreased from 9% in 2016 to 6.57% in 2020 but nationally infections in people remained the same



Although the industry has made great strides in reducing salmonella in processing plants, new research shows a disconnect between the strains of the bacteria found in the plant and those found on the farm. (Photo by Andrew Davis Tucker)

Health & Wellness · Science & Technology

Highly contagious virus confirmed in three Georgia bald eagles

April 15, 2022 · by Leigh Beeson



Highly pathogenic avian influenza confirmed in more than 30 states and threatens wild, commercial bird populations

Highly pathogenic avian influenza was confirmed in three bald eagles in Georgia

'If' - the virus becomes established in our wild bird populations, it will continue to threaten wild bird and commercial poultry-
Dr. David Stallknecht, Director SCWDS



Faculty Awards

Dr. Naola Ferguson-Noel



Inventor of the Year
2022



Poultry Diagnostic and Research Center

Providing worldwide support for poultry medicine through teaching, research and service

- 5 Invention Disclosures
- 2 US patents
- Several foreign patents
- Licensed vaccines for avian mycoplasma that have earned more than \$1.2 million in royalties for UGA



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<https://vet.uga.edu/pdrc>