

Medical Detection Dogs

Patron: Her Majesty The Queen Consort

Pauline Miller – Volunteer & Fundraising Coordinator

Registered Charity England & Wales: No.1124533 and Scotland: No. SC044434

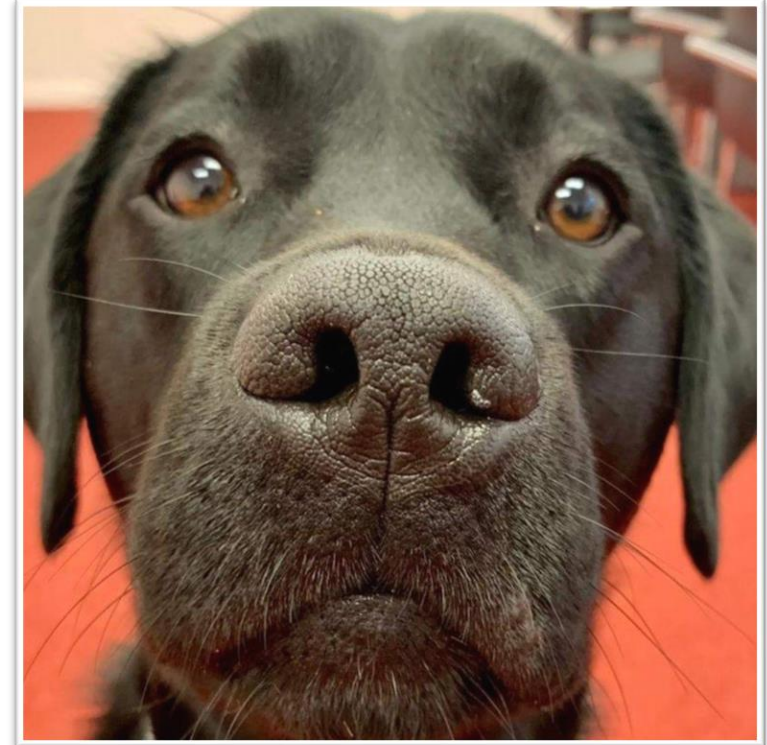
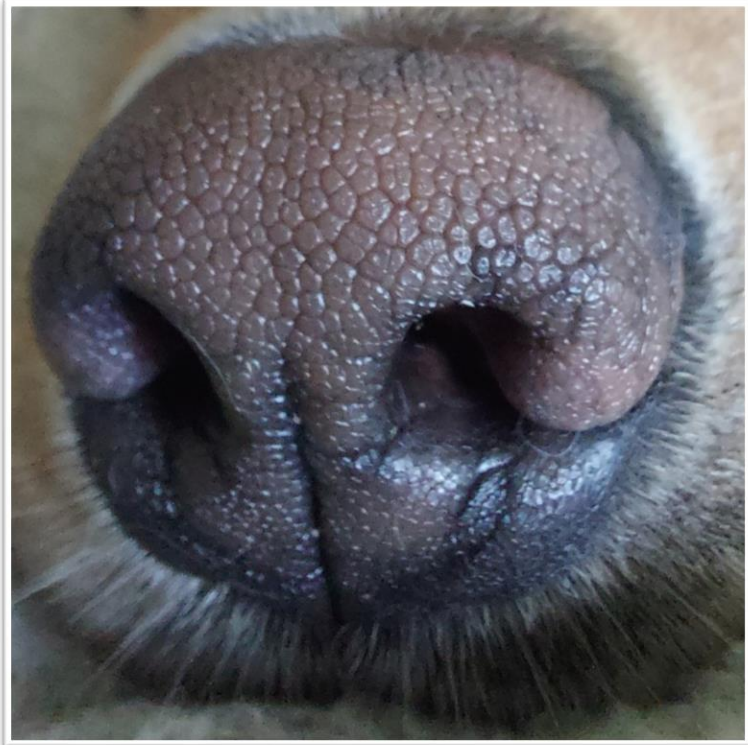


About our dogs

- Dogs are donated or purchased from breeders, welfare and other Assistance Dog charities
- Good temperament
- People orientated
- 18 months - 2 years to train from a puppy
- £29,000 to train a dog
- Stay with incredible volunteers



The Dog's Nose



Basic science

Cell changed
by disease



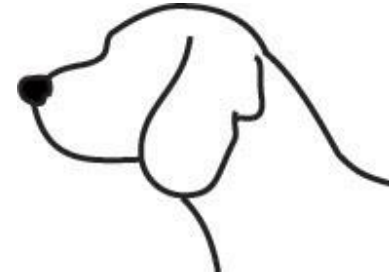
By-products
(volatiles) enter
bloodstream



Body removes
volatiles through
breath or urine



Dog trained to
respond to a
particular smell



- Each disease has an odour signature
- Dogs detect smell at very low concentrations

Medical Detection Dogs

The charity has two arms:



**Bio Detection
Dogs**



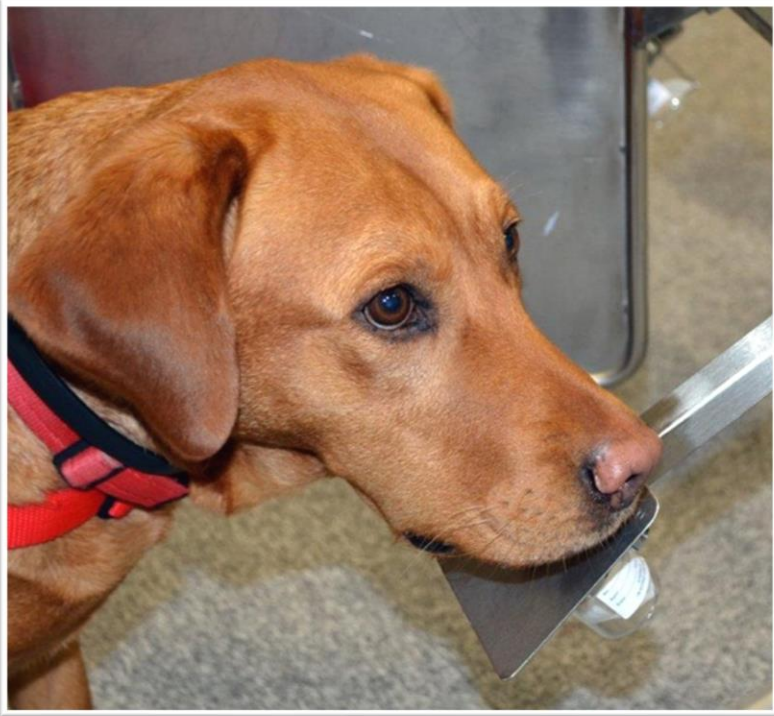
**Medical Alert
Assistance Dogs**

Bio Detection Dogs – Our Aims

- Early Diagnosis
- Accurate Diagnosis
- Non Invasive Detection
- Save Lives
- Ground breaking innovative research into dogs' ability to detect the smell of human disease



Projects



Clinical Trials:

- Urological cancers
- Colorectal cancer
- Bacterial Infections research
- COVID-19

Proof of Concept:

- Parkinson's disease
- Malaria
- Animal cancers



Development in Technology



- E-nose Development
- Massachusetts Institute of Technology
- Smartphones

Medical Alert Assistance Dogs



**Life-threatening conditions
no-warning symptoms**

- Alert
- Fetch help / attract attention
- Save lives

- Blood glucose conditions
- PoTS
- Severe allergies
- Addisons

Life saving, life changing

- Confidence
- Independence
- Freedom
- Hope for the future
- Reduced hospital admissions.



Lizzie and Henry



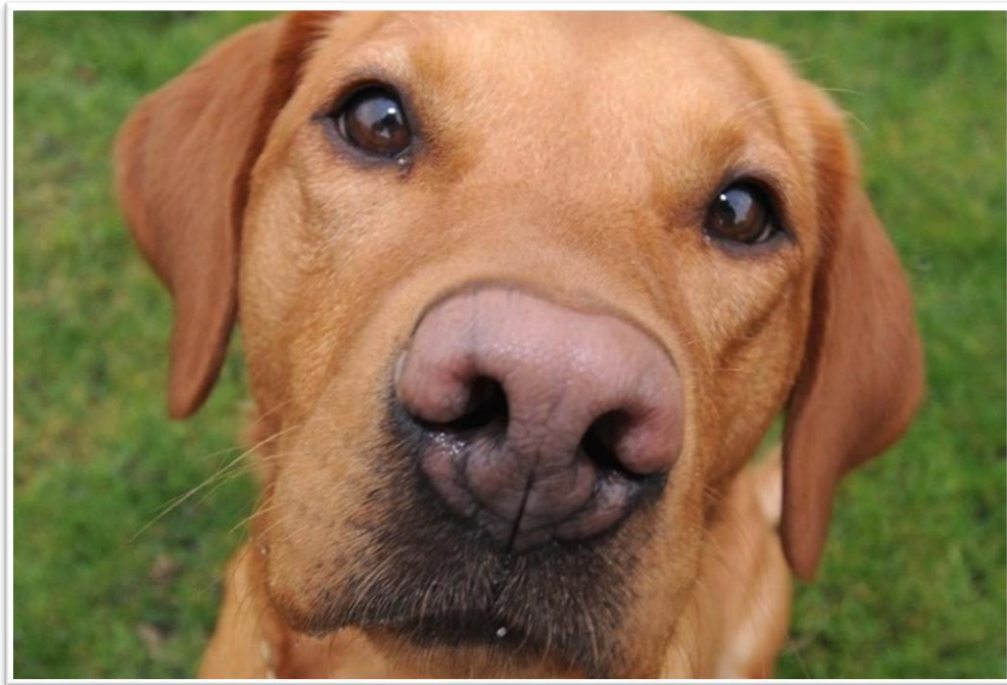
Medical Alert Assistance Dogs

- Accredited Assistance Dogs
- Full public access rights
- Save lives
- Save NHS hundreds of thousands of pounds



Thank you

**Please support us in our work –
*every penny counts***



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Dogs Saving Lives

www.medicaldetectiondogs.org.uk

Telephone: 01296 655888