

## IN - VISIBLE

X-ray images of nature



# 1. Knowledge

## 2. Radiation Protection/safety

max. 50 keV

walls 10 cm of concrete (1mm Pb eq)  $\text{Tr. } 2 \cdot 10^{-6}$

workload 25 hr/yr risk estimation  $1 \mu\text{Sv/yr}$

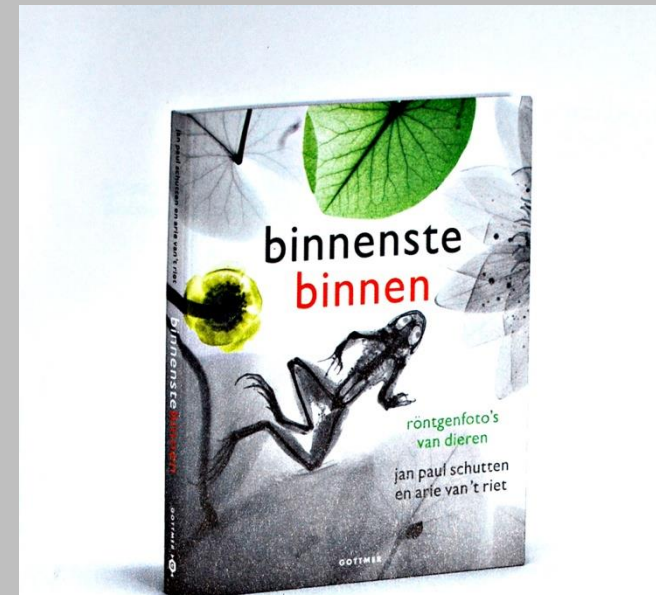
lead shielding between x-ray tube and control unit

## 3. Justification

dead animals

interest

education



ISBN 978 90 257 6726 6





Wilhelm Conrad Röntgen (1845-1923)

Nov. 8th 1895 Discovery of X-rays

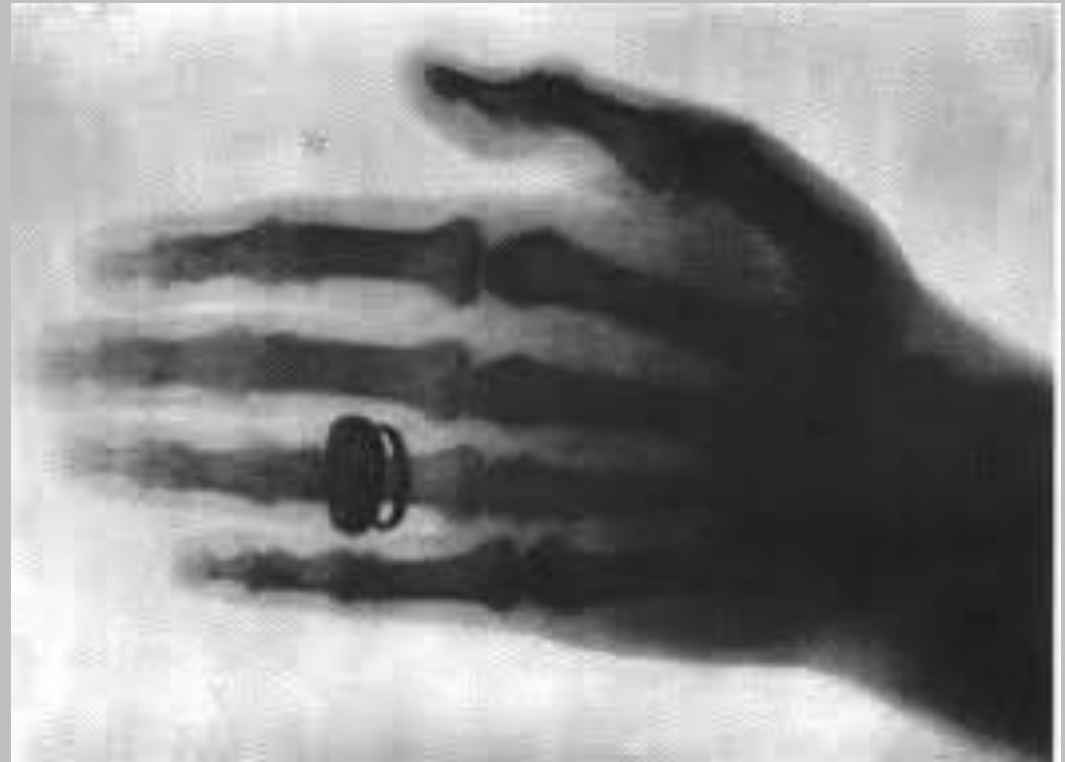
1901 Nobelprice in physics

Aus den Sitzungsberichten der Würzburger Physik.-medic. Gesellschaft 1895.

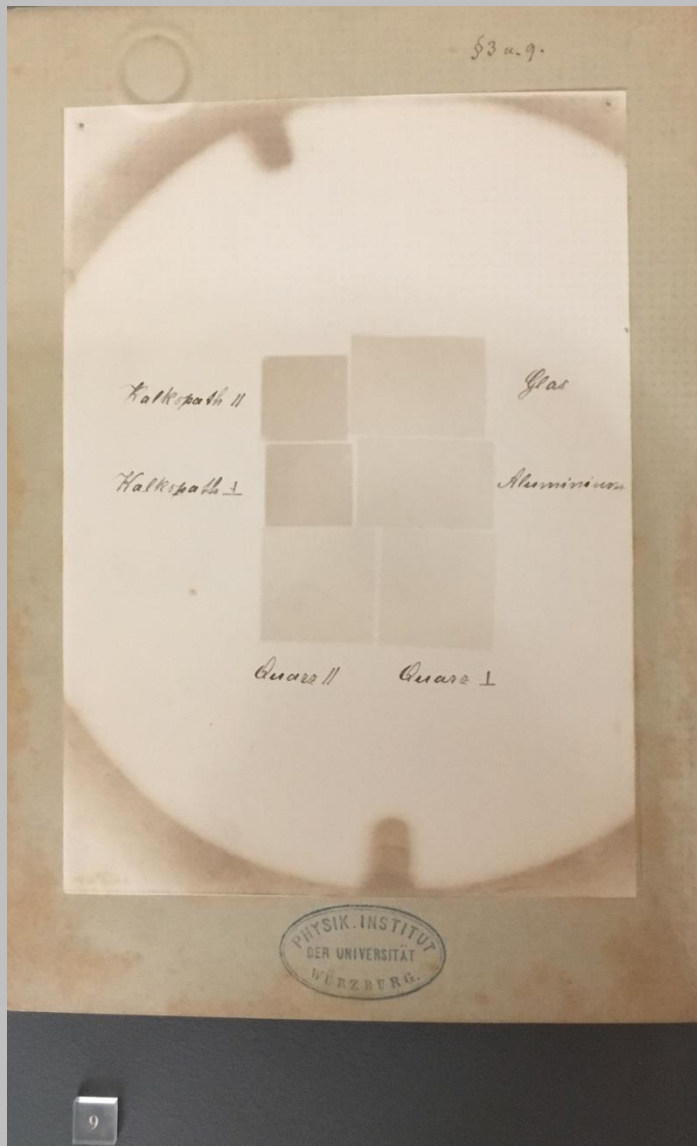
## W. C. Röntgen: Ueber eine neue Art von Strahlen.

(Vorläufige Mittheilung.)

1. Lässt man durch eine *Hittorf'sche* Vacuumröhre, oder einen genügend evacuirten *Lenard'schen*, *Crookes'schen* oder ähn-



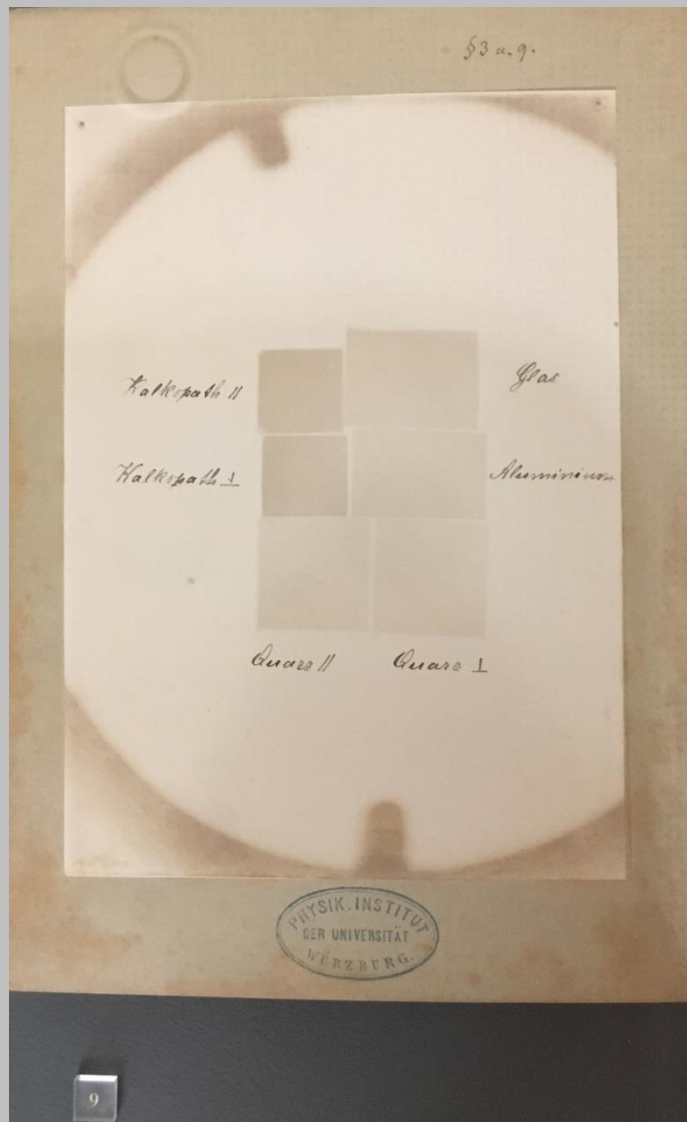
22 december 1895



Teylers museum Haarlem The Netherlands

correspondence between Röntgen and Lorenz



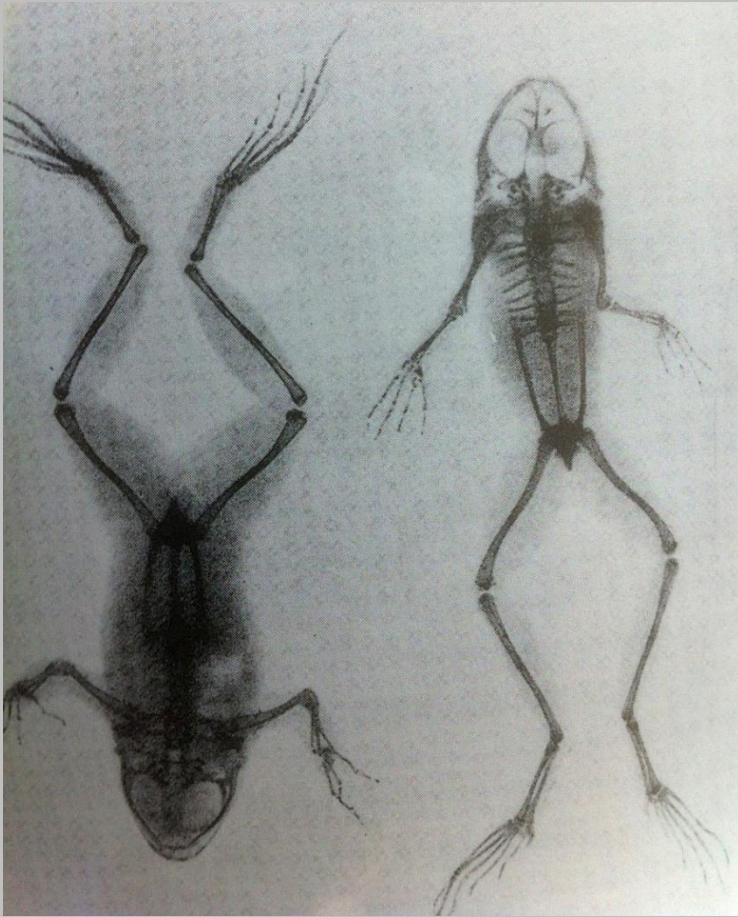


Teylers museum Haarlem The Netherlands



Demo with public. Tilburg 19 march 1896

correspondence between Röntgen and Lorenz



Josef Maria Eder, Eduard Valenta  
Two frogs  
Photographische Correspondenz  
p.192 (1896)



Alfred Parzer-Mühlbacher  
Snake  
Röntgenstrahlen mittels der  
Influenz-Elektrisir machine.  
p.32 (1897)

# METHOD

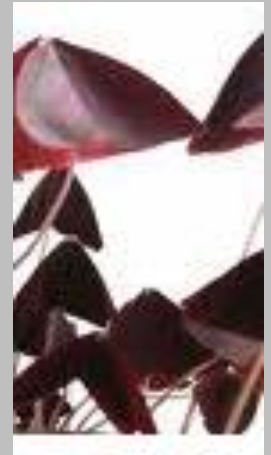




Papaver



Penstemon picota



Capsicum annum









DEAD ANIMALS

fish from the market

reptiles from a breeder

mammals and birds, traffic and window victims

insects, specialized shops

NOT IN THE HOSPITAL

in my studio with my own x-ray equipment  
and a licence for my purpose

NOT COMPOSED

not layered, not stacked, not built from  
different x-rays, complete scene x-rayed  
one shoot



EQUIPMENT





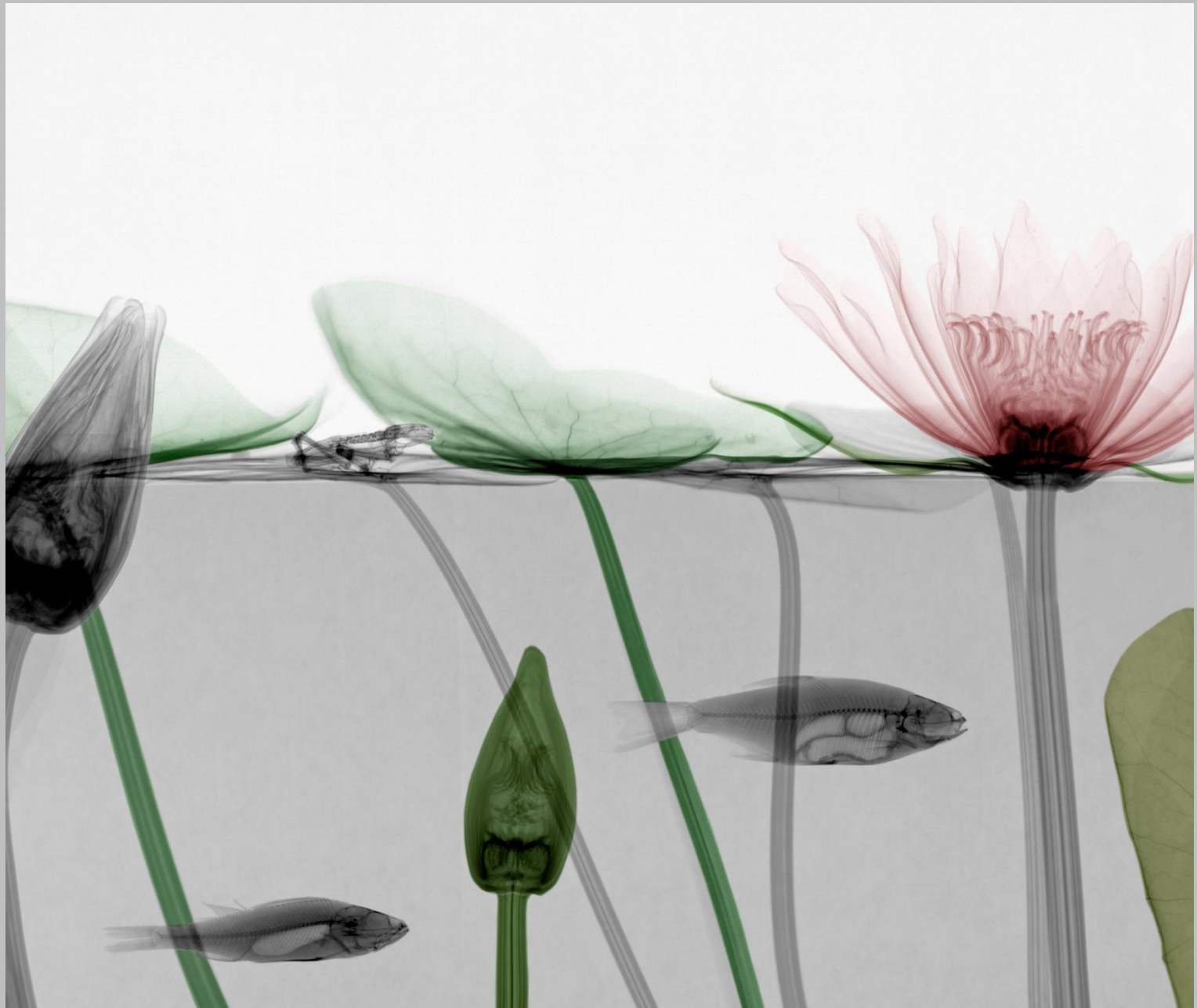


# SPECIAL TECHNIQUES

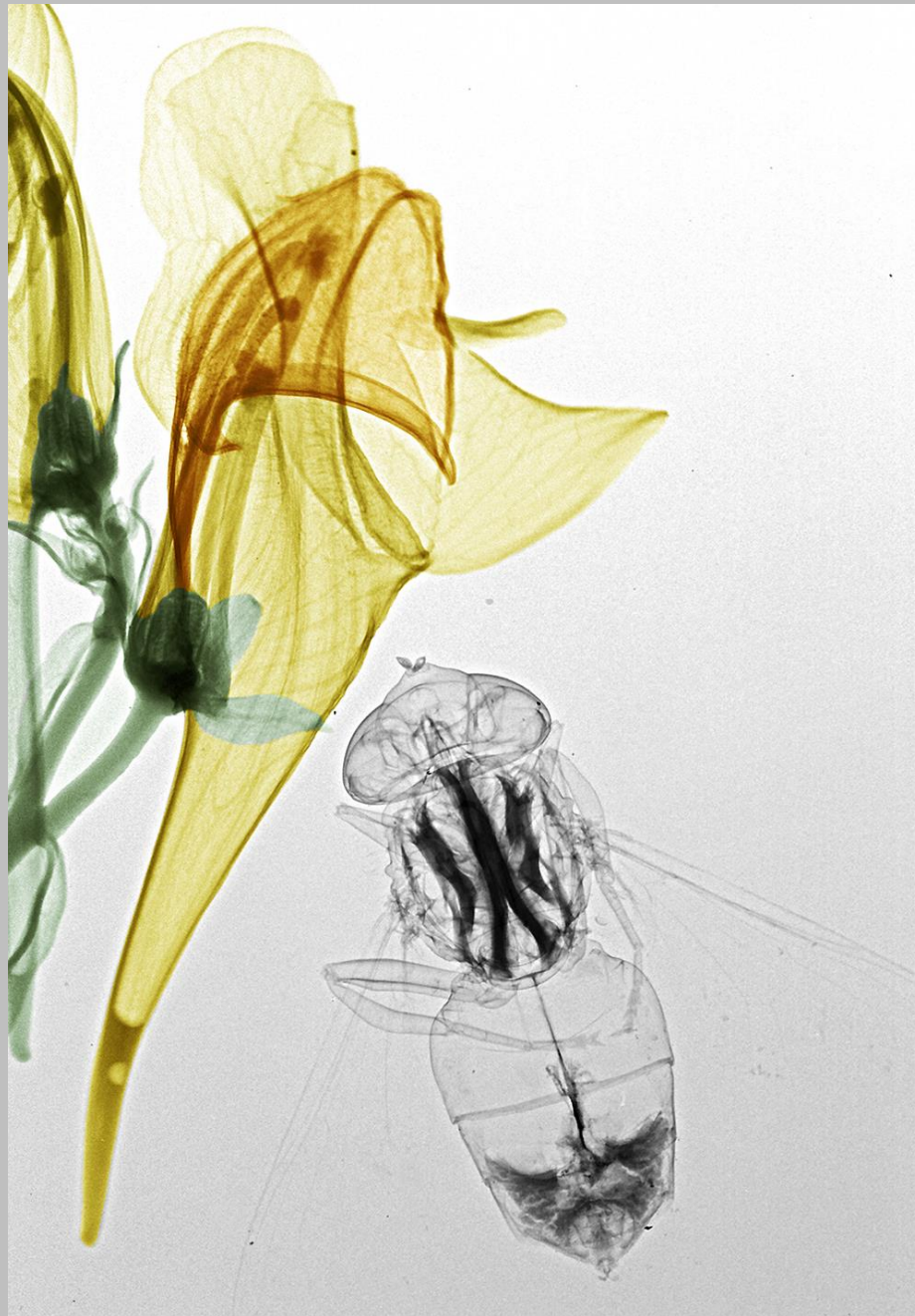












35mm film

DISAPPOINTMENTS







Egel

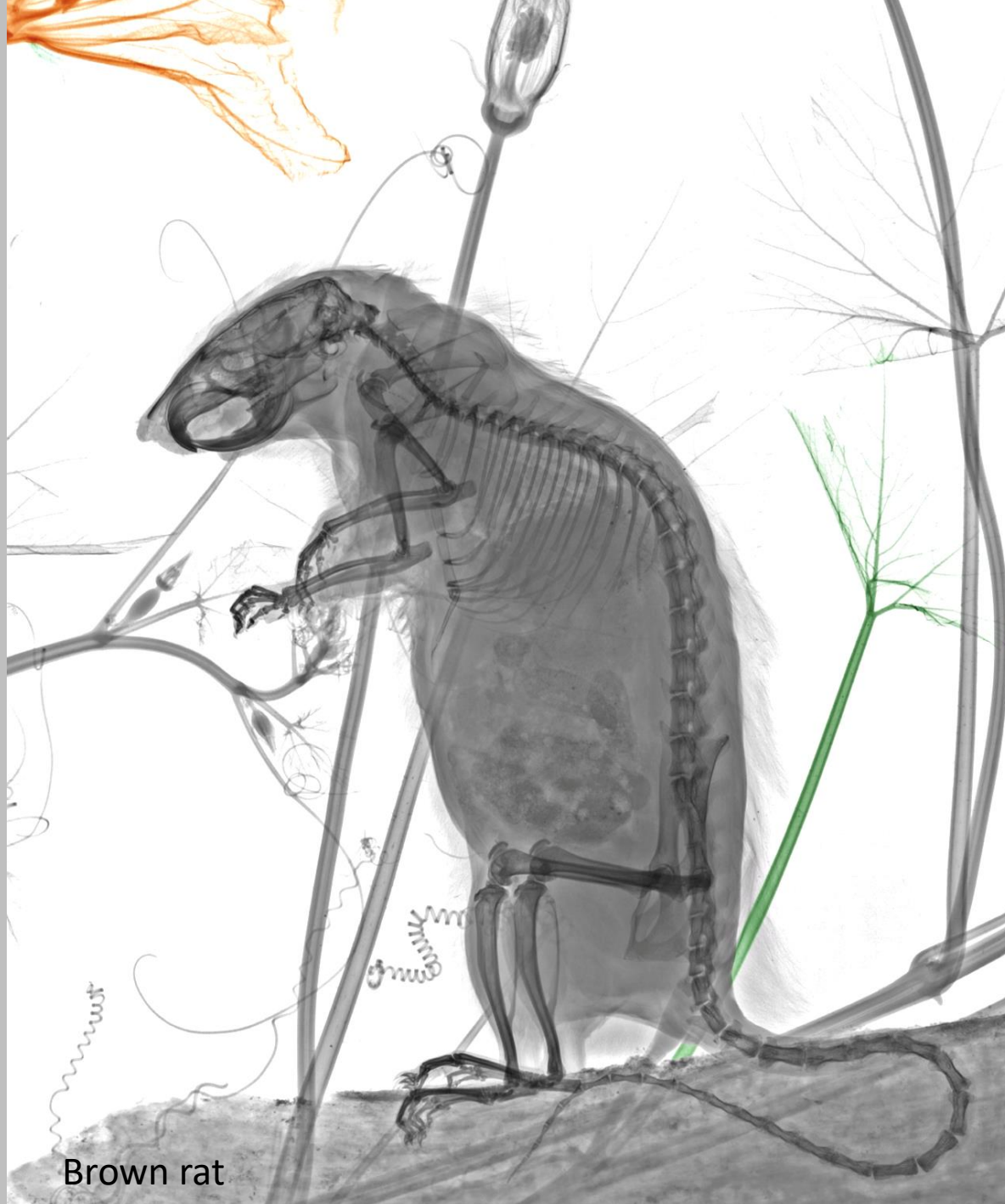






Squirrel





Brown rat





Magpie



Jay



Crow



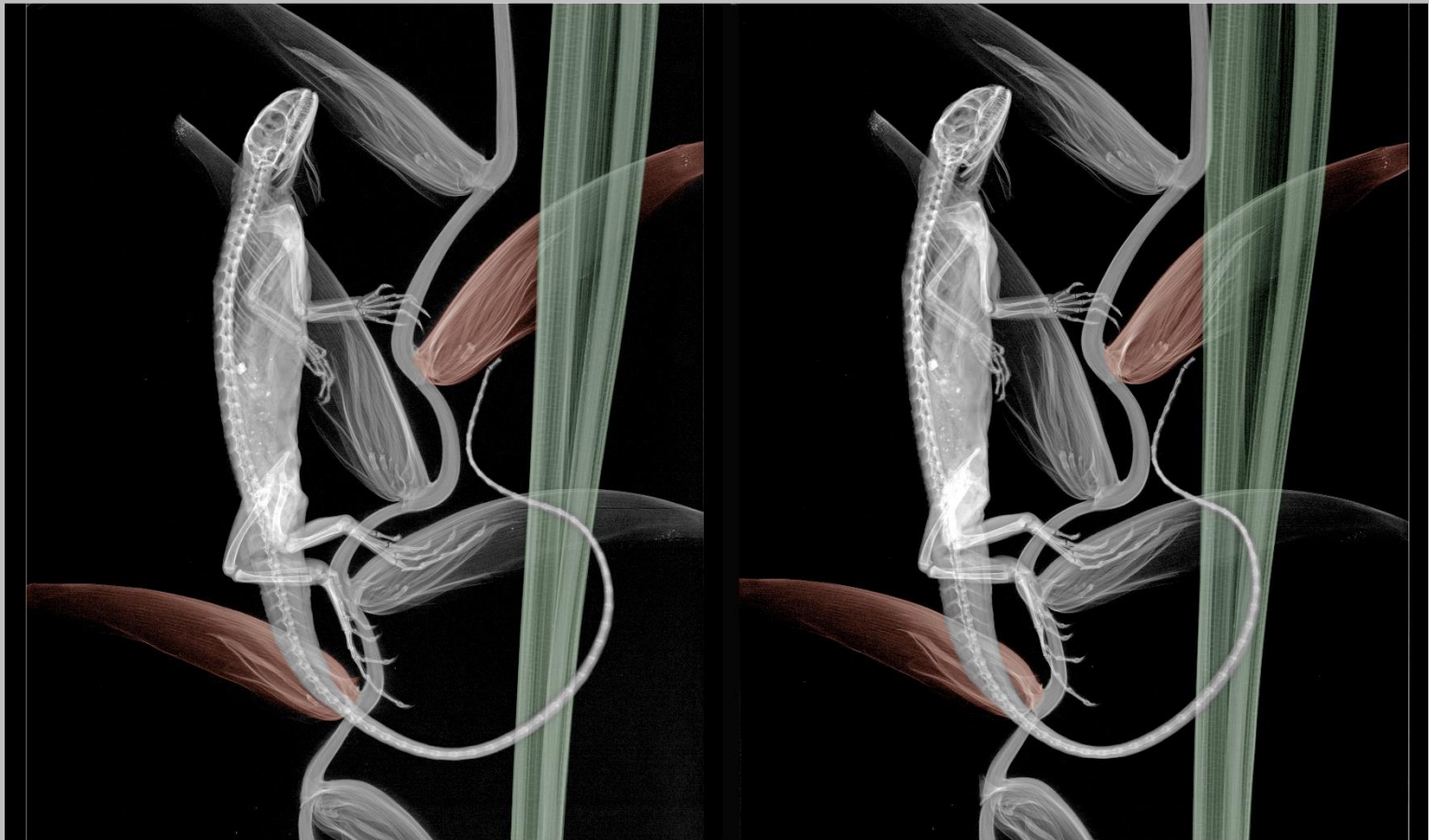
FUTURE

## Merging visible light – x-ray





3 D



## Desired animals





Tawny owl

Thanks for your interest