

Dr. Pasko Rakic

Experiment carried out at Harvard Medical School

Animal: ^RThesus monkey #813-69, offspring of mother #307 (primate Center Code).
Our code is the date of perfusion, 020370.

Pregnant animal was injected with H^3 -thymidine 5 mC/kg at 62nd day of pregnancy estimated by last menstrual period and x-ray. Animal was born Dec. 14, 1969 which confirmed estimated time of thymidine injection ($165 - (28 + 31 + 30 + 14) = 62$). Perfusion was carried at 50th post natal day. Anesthesia: 29mg/kg of Nembutal. Thorax opened, right atrium cut and needle placed into left ventricle. However, the fixative did not leak out of cut on the face and ear. Because of that hearth was then cut off, blunt needle placed to the aorta, and after that good perfusion was obtained which lasted 7-8 minutes (1/4 strength). This way time laps between separation from mother and good perfusion was 4-5 minutes. Brain looked well fixed after removal, bisected and left overnight in 1/4 strength Karnovsky fixative at 1°C. in the refrigerator. The tissue was processed for electron microscopy, rapid Golgi, and autoradiography according to the usual schedule for the primate project. See Dr. Rakic's notebook for code numbers.

Southboro

AM

020370

062-PSO
09/02/69

#307

(6(2)?)

Animal was palpated (Dr. Mc. Donald and Mrs.) they confirmed pregnancy

WGT: 12 lb approx. 6.2 kg. Injected i.v. with 31.00 mC H^3 Thy

Kill at age of ^{1.5} 8 month (approx. ¹ 2.18.70)

Born 12.14.69

To be sac. 2.14.70

On 12.23.1970

Weight. 821 grams.

Nembutal

09 Sept.	28	
10 Oct.	31	
11 Nov	30	
12 Dec.	14	105
	<u>103</u>	<u>-103</u>
		62

49 ¹⁷/₅₀ day

29:5 = 5.8
40

29.1 23 up.

Perfusion was attempted through the horth - unsuccessfully - and after that they aorta had wound well - but after 23-5 min. lps. The perfusion lasted 7 min -- born removed well fixed.

Photographed.

Esau

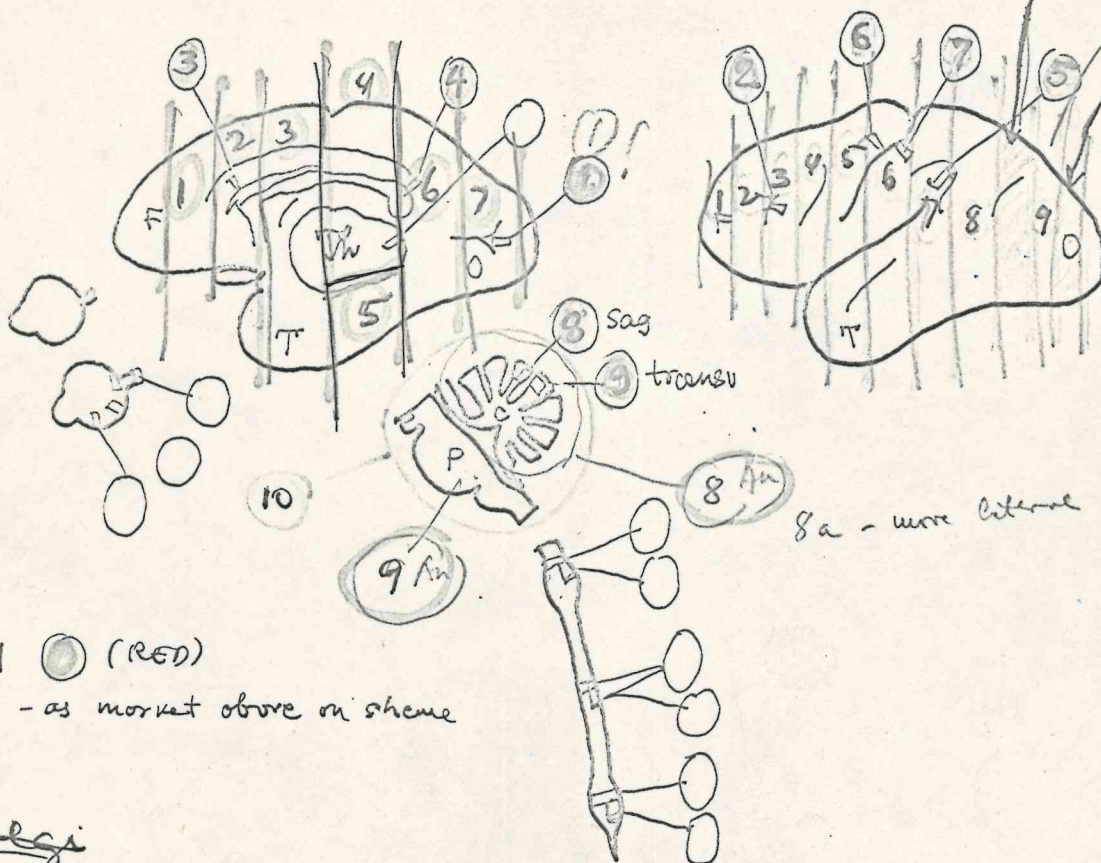
813-69821 grant

Born 12/14/69

020370

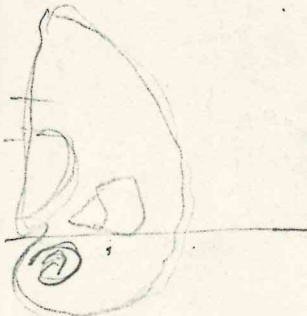
NW

020370

Au

EM (RED)

1-9 - as marked above on scheme

Golgi

Stemmas

Rap GolgiBlue

1-8 adjacent slices from F. to O. pole

8-a Golgi Cox

9 - Rapid Golgi

9-a Golgi Cox

10 -

Auto radio graphy

GREEN

- 1 Frontal slice
- 2 next slice
- 3 - " - " -
- 4 next slice upper part
- 5 the same slice lower part
- 6 Next slice
- 7 Occipital part
- 8 Cerebellum (Sagittal)
- 9 Brain stem (Sagittal)

EPD SHEET PRODUCTION