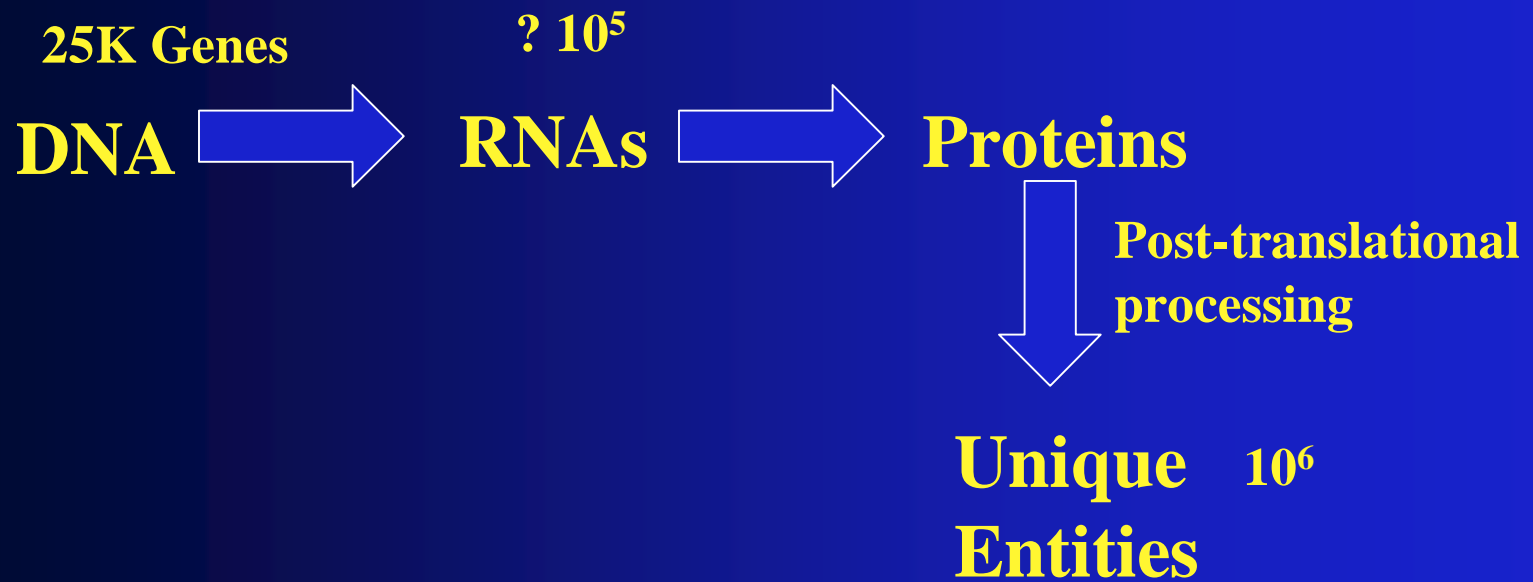


Definition of Neurochemistry

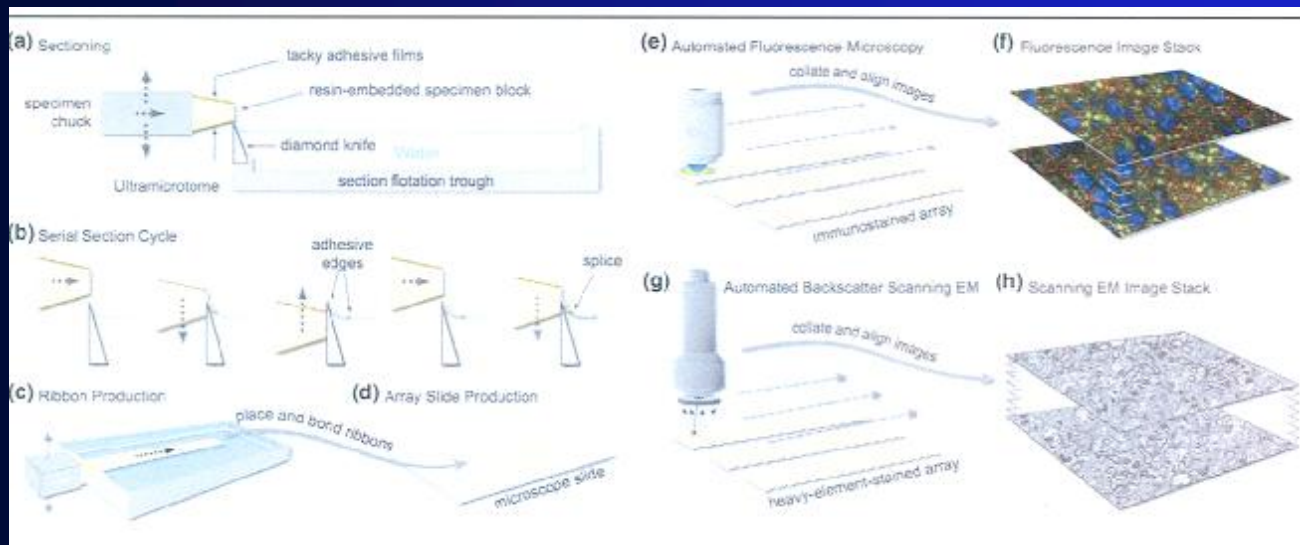
“Its central, unifying objective is the elucidation of biochemical phenomena that subserve the characteristic activity of the nervous system or associated neurologic diseases (through) 1. isolation and identification of components; 2. Analysis of their organization; 3. description of temporal and spatial relations...Should be continuous from the molecular level to the most complex level of integration.”

Basic Neurochemistry (First Edition, 1972)

DNA → **RNA** → **Protein**

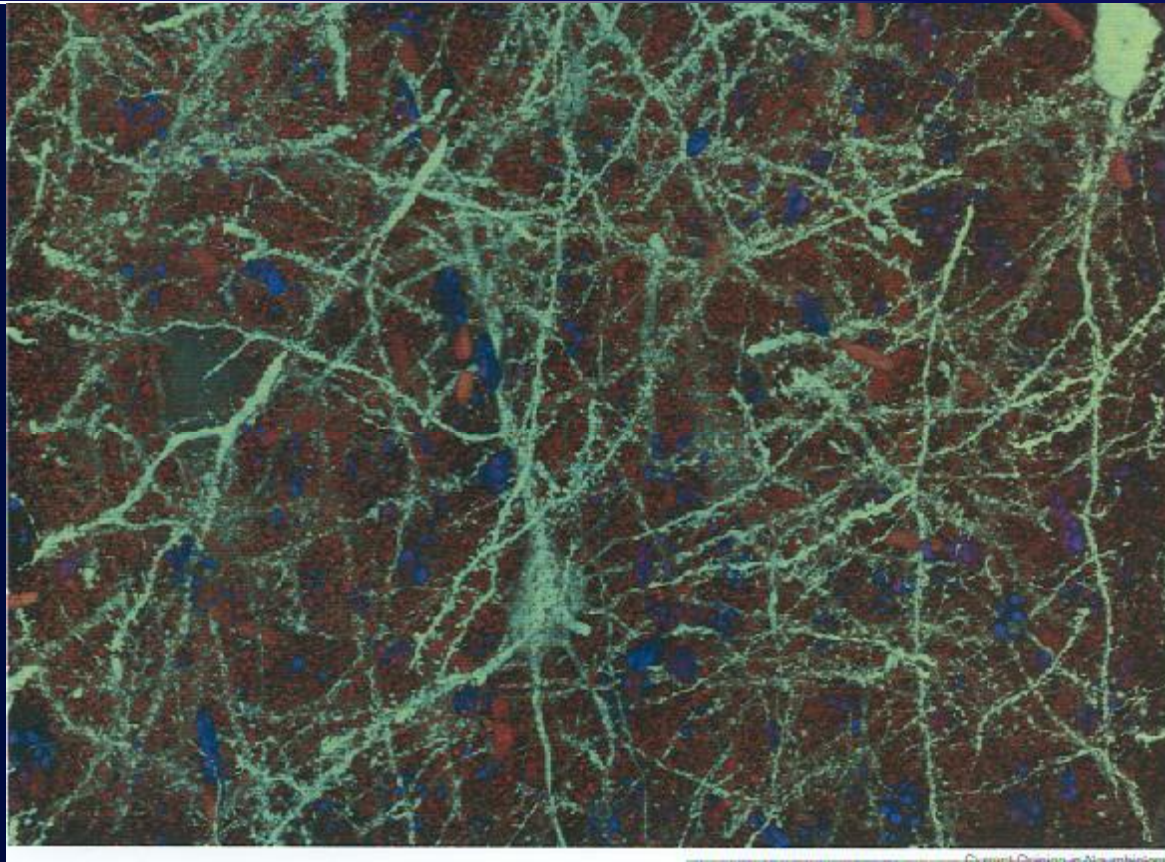


Combined automated backscatter EM and automated fluorescence microscopy









SJ Smith. Circuit reconstruction tools today. *Current Opinion in Neurobiology* 2007, 17: 601-606

Neocortex: Layer V



Green, Thy-1 YFP; Red puncta, synapsin-1; Blue, DAPI nuclei

Neurochemical Phenotype of Schizophrenia

	GAD67	Parv- albumen	GABA_A
Schizo- phrenia			
SR-/-*			ND
DISC1tg	ND		ND

