Choroidal Plexus
Retinal Pigmented Epithelium
Outer Segment
Inner Segment
Rod photoreceptor
ONL
Mueller glia
INL
GCL
C6
?
CO2
Cn
: Biosynthetic pathways
: Non-Biosynthetic pathways
Outer Segment Discs
all-trans Retinol
Rhodopsin
NADP
Visual cycle
all-trans Retinal
NADPH
Lipid biosynthesis
Inner Segment
Lipid precursors
ATP
[O]
Na+/K+ ATPase
ADP+ Pi
Glucose
Amino acids
Proteins
Protein glycosylation