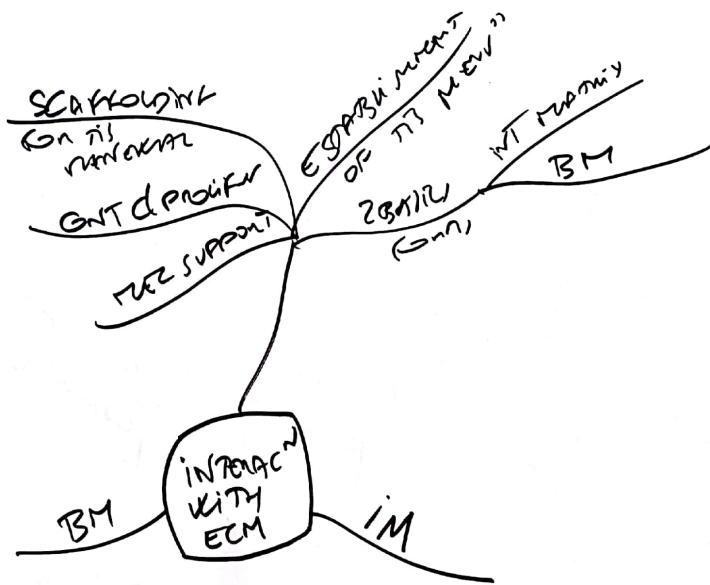
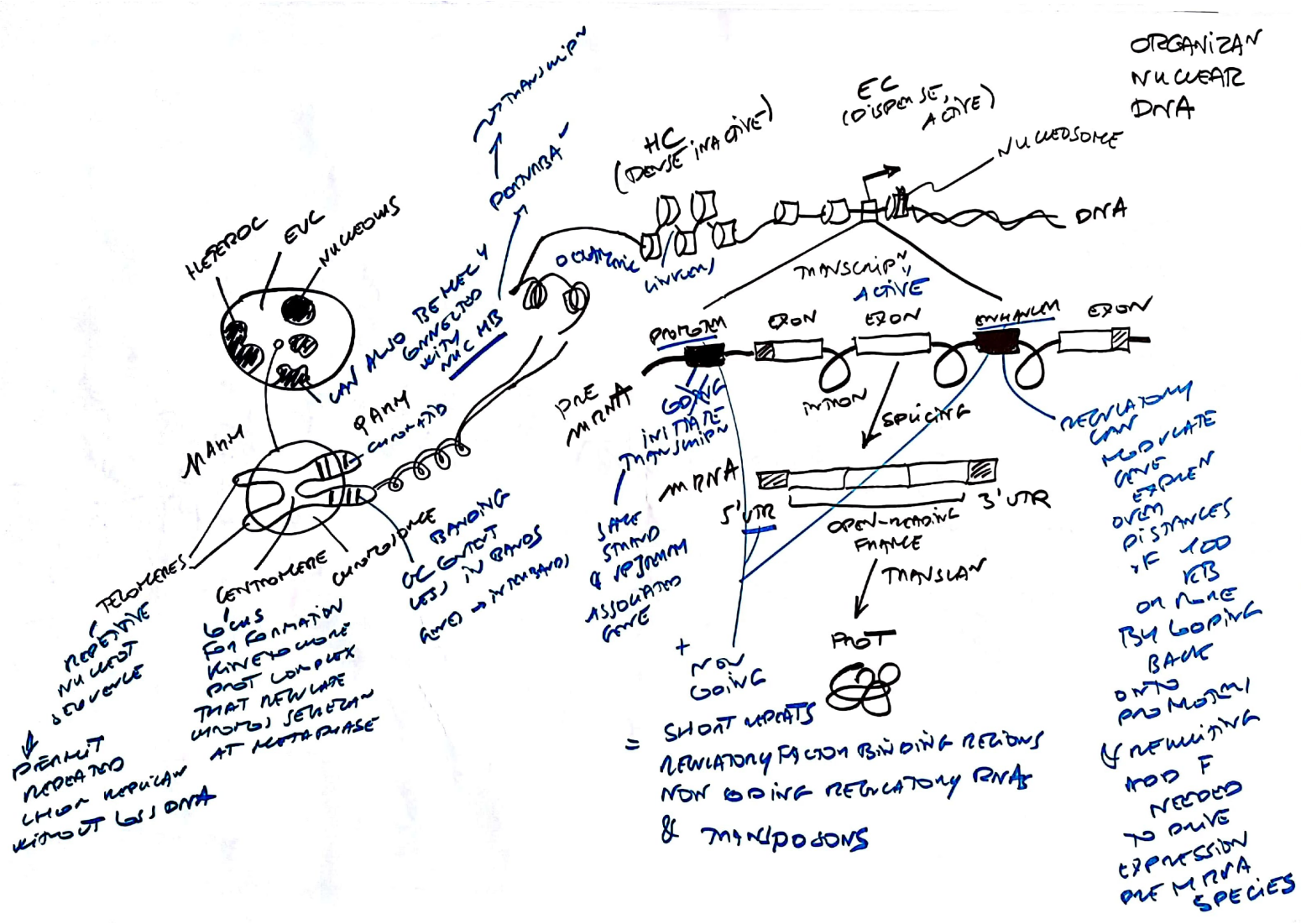
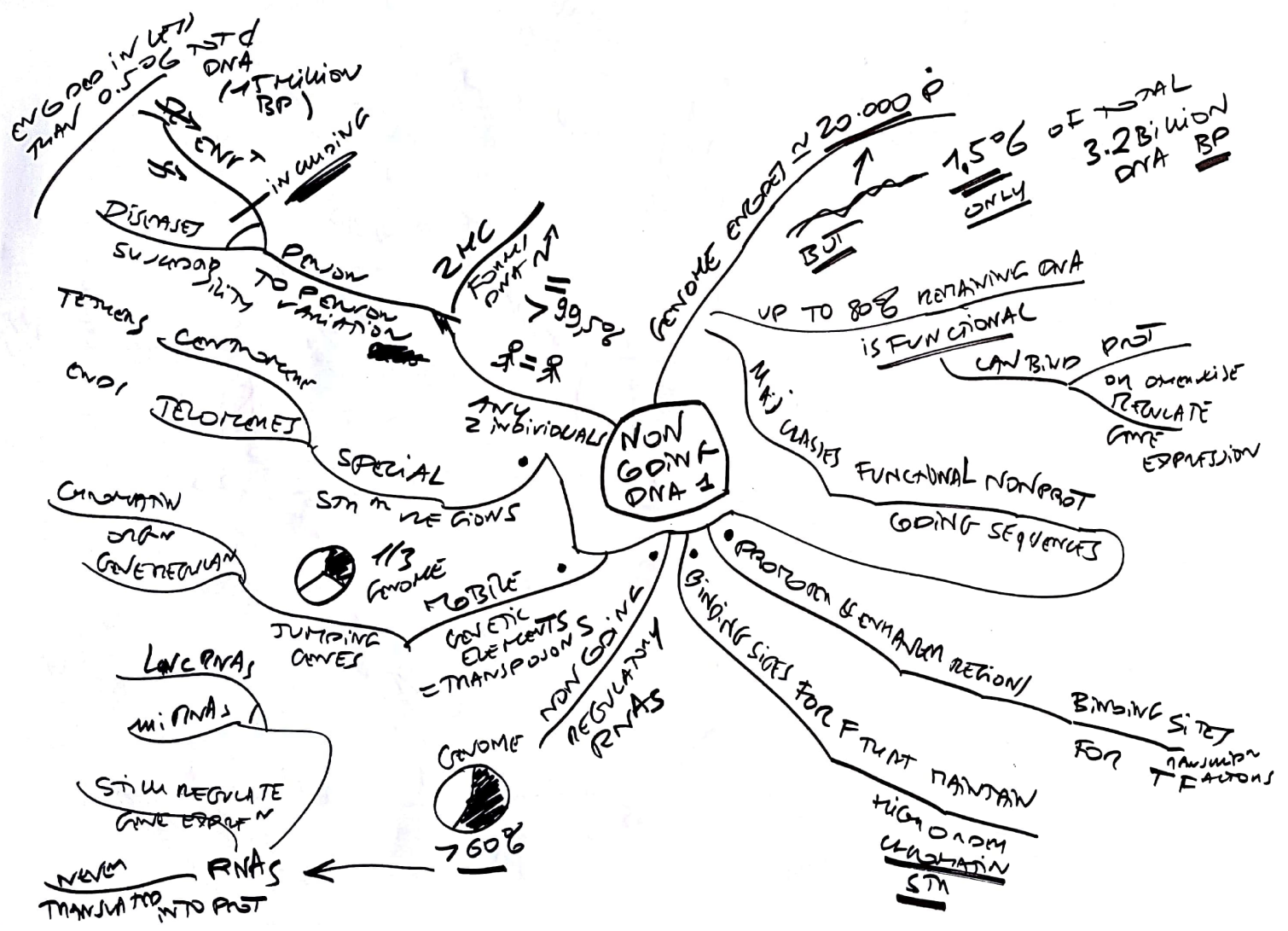


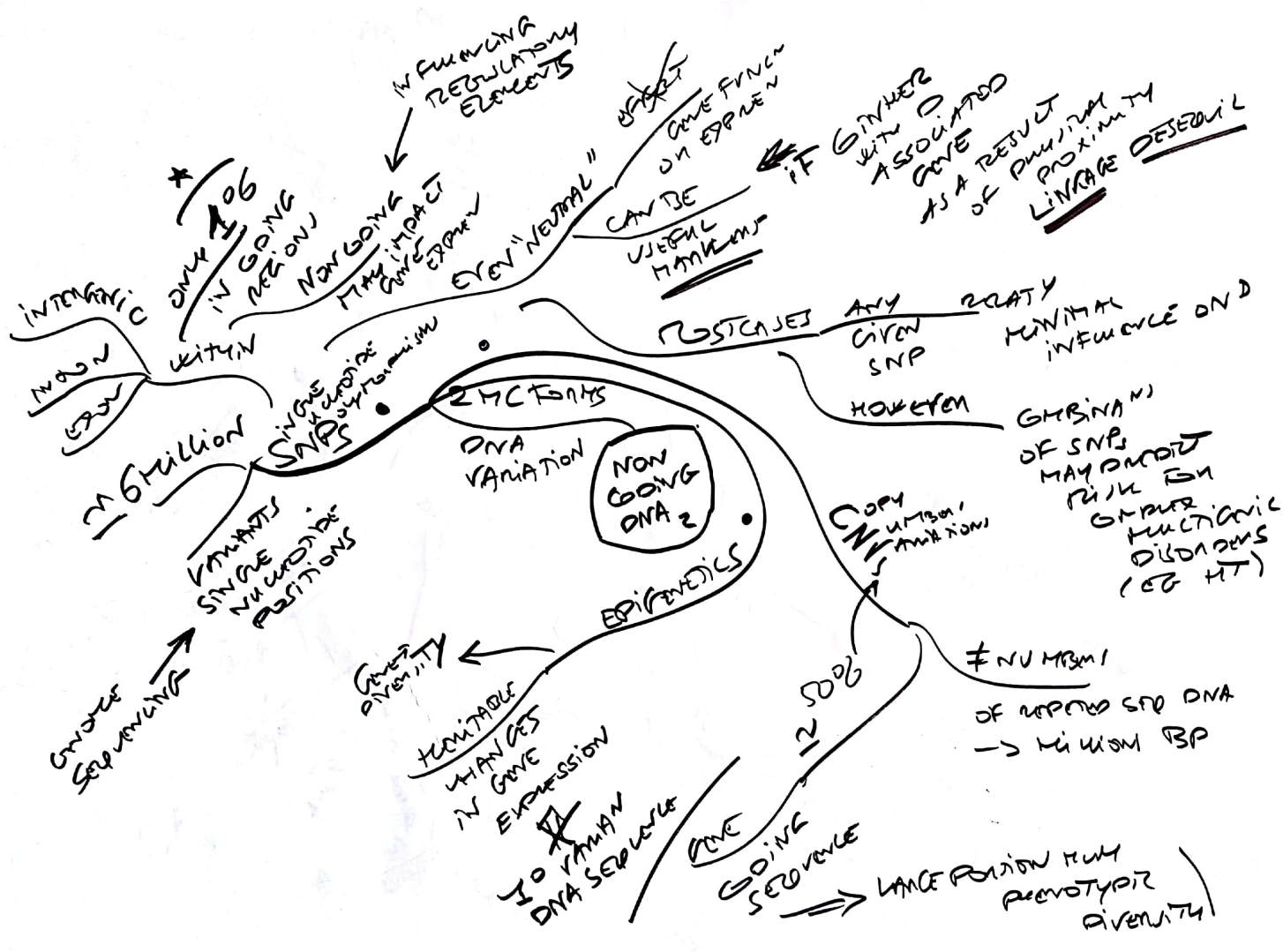
GF
R&F



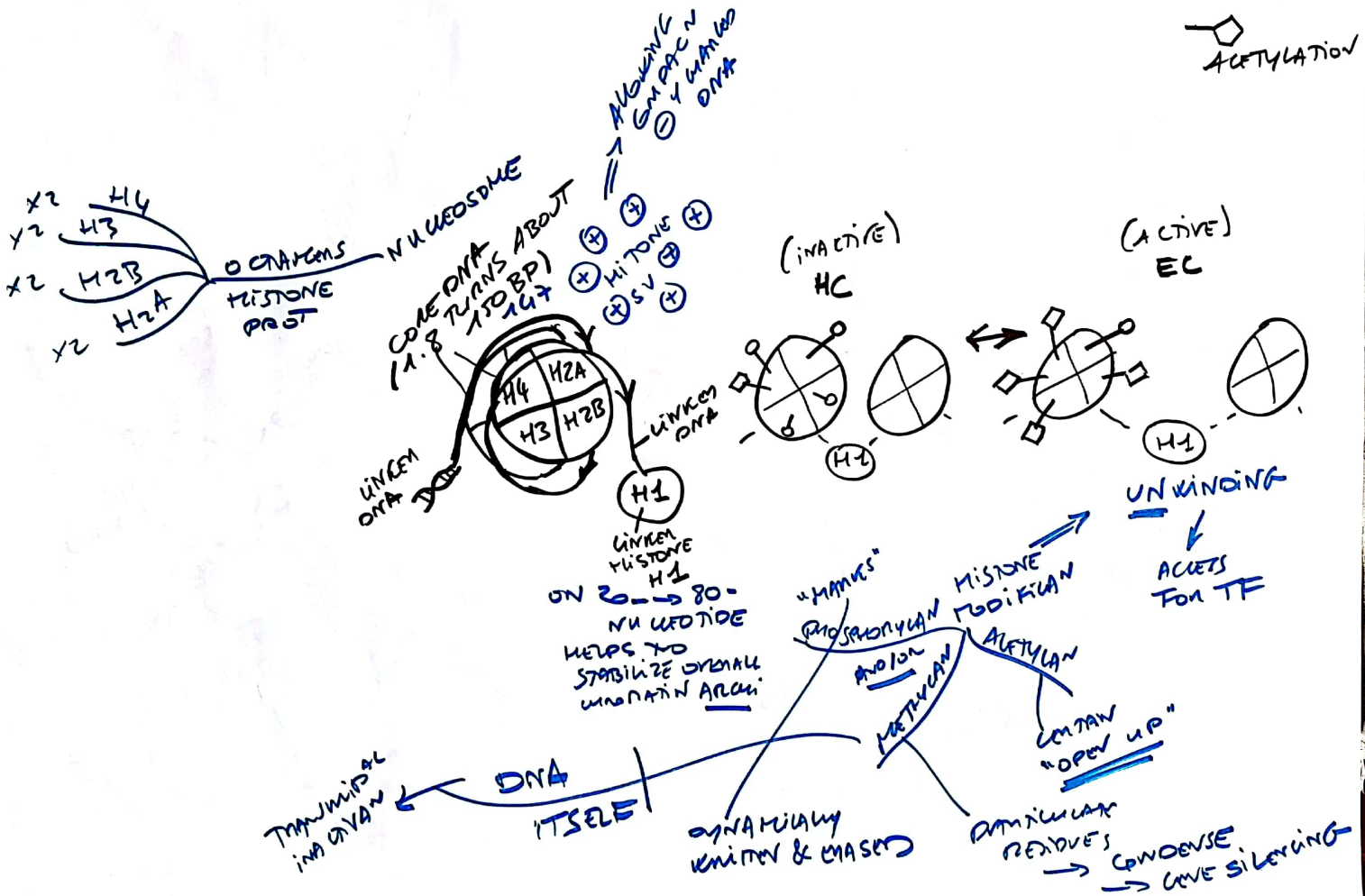
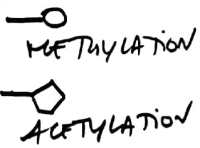


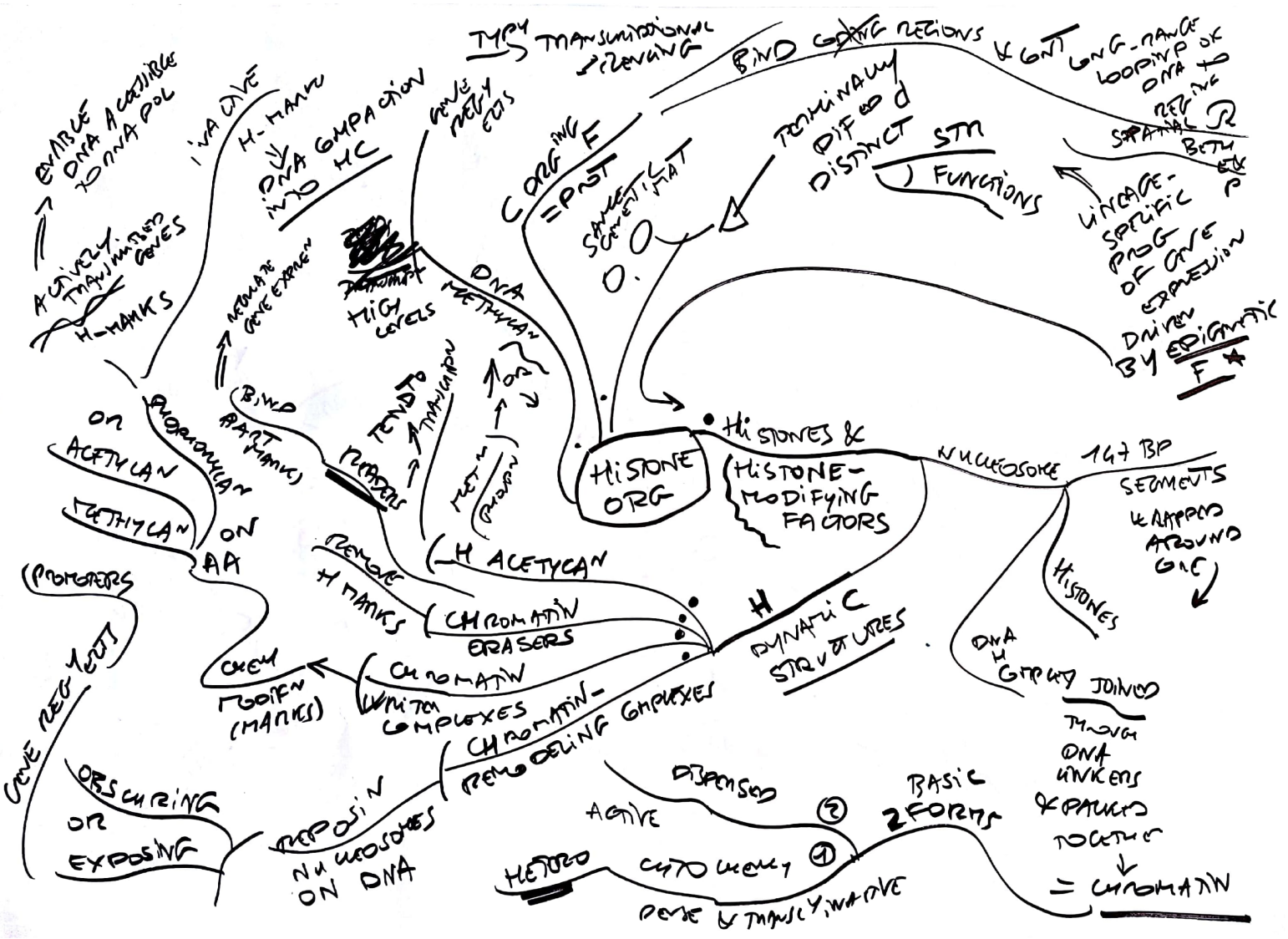


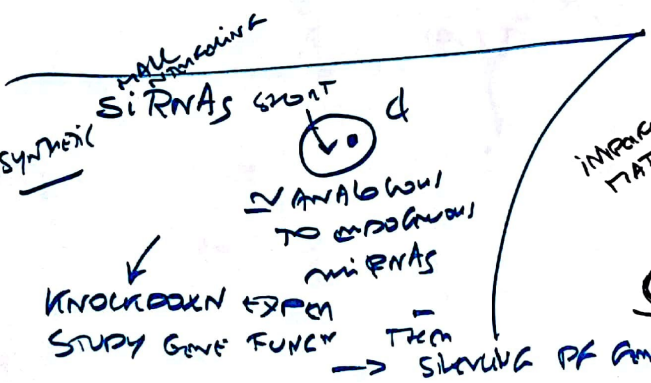
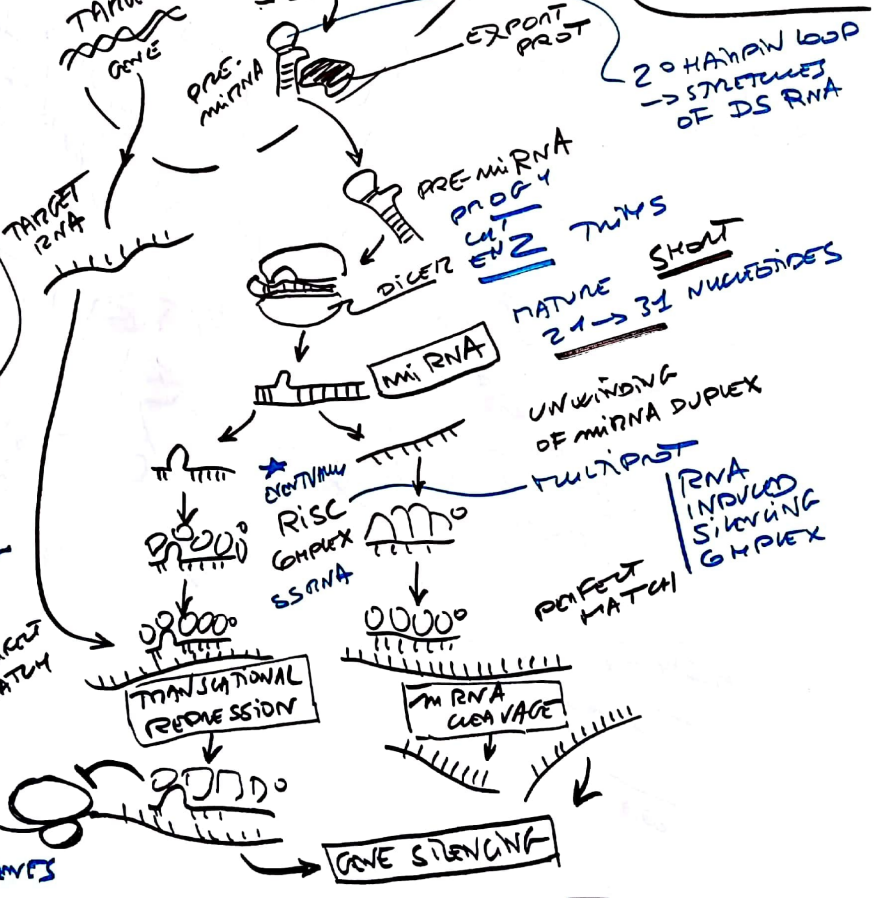
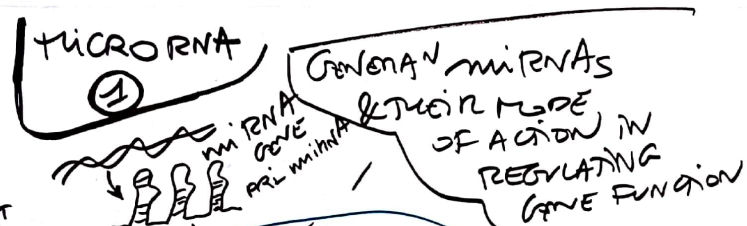
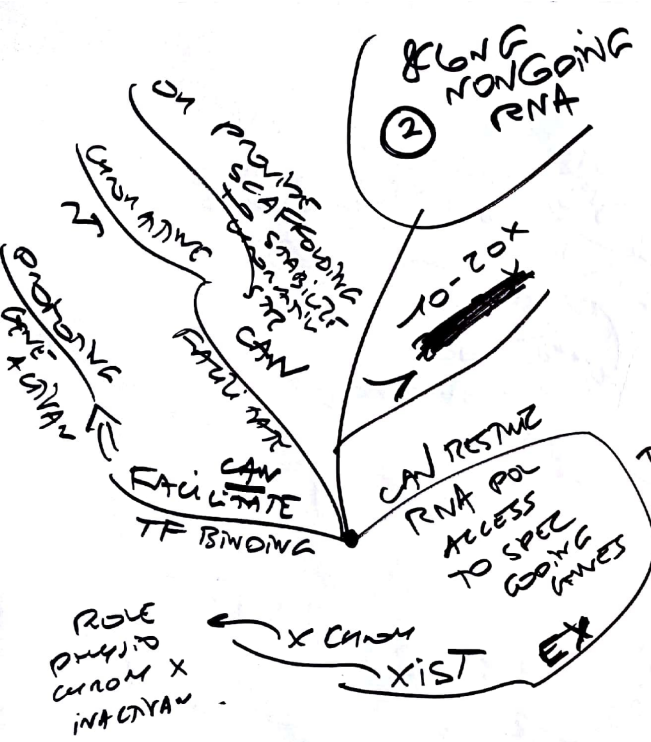


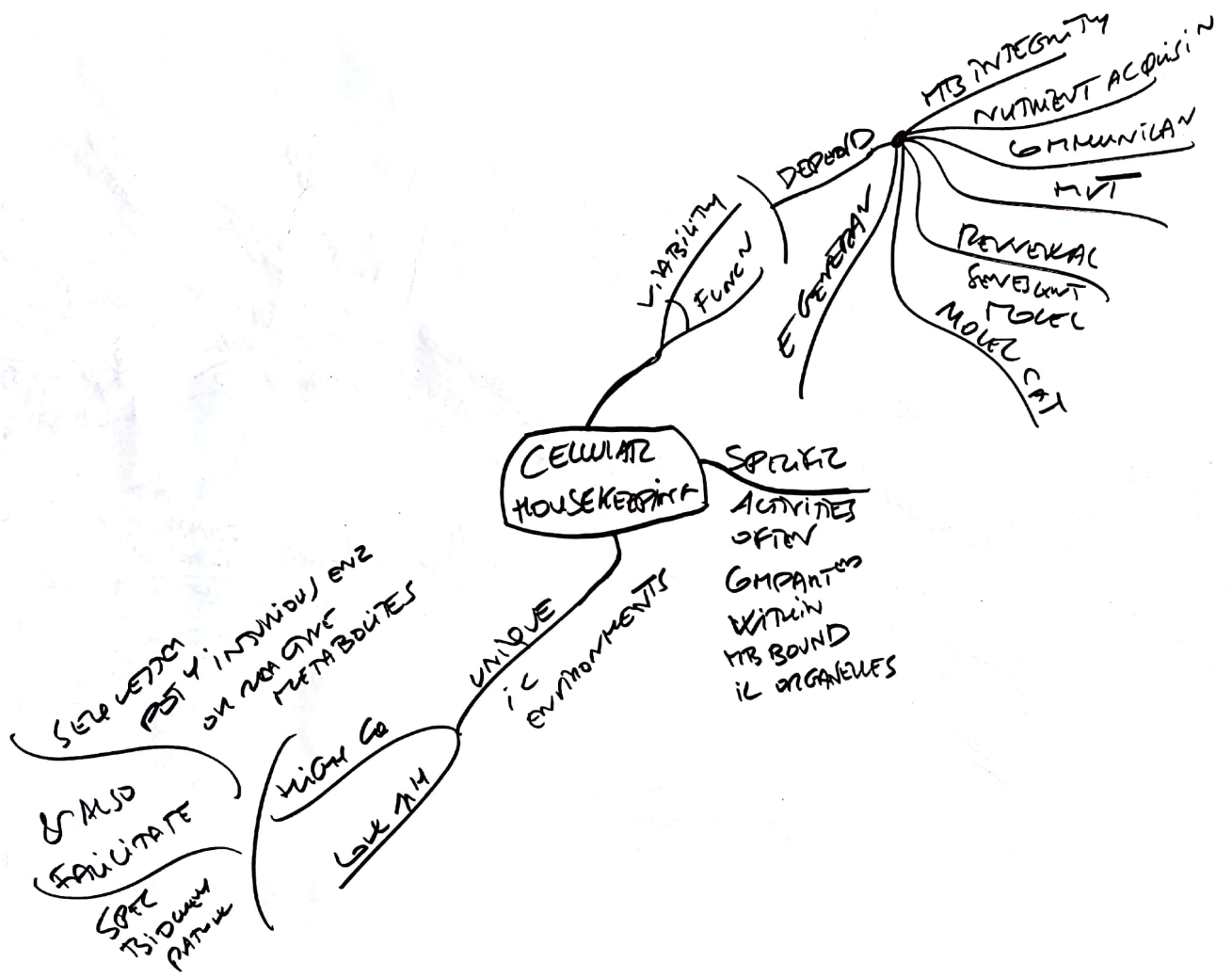


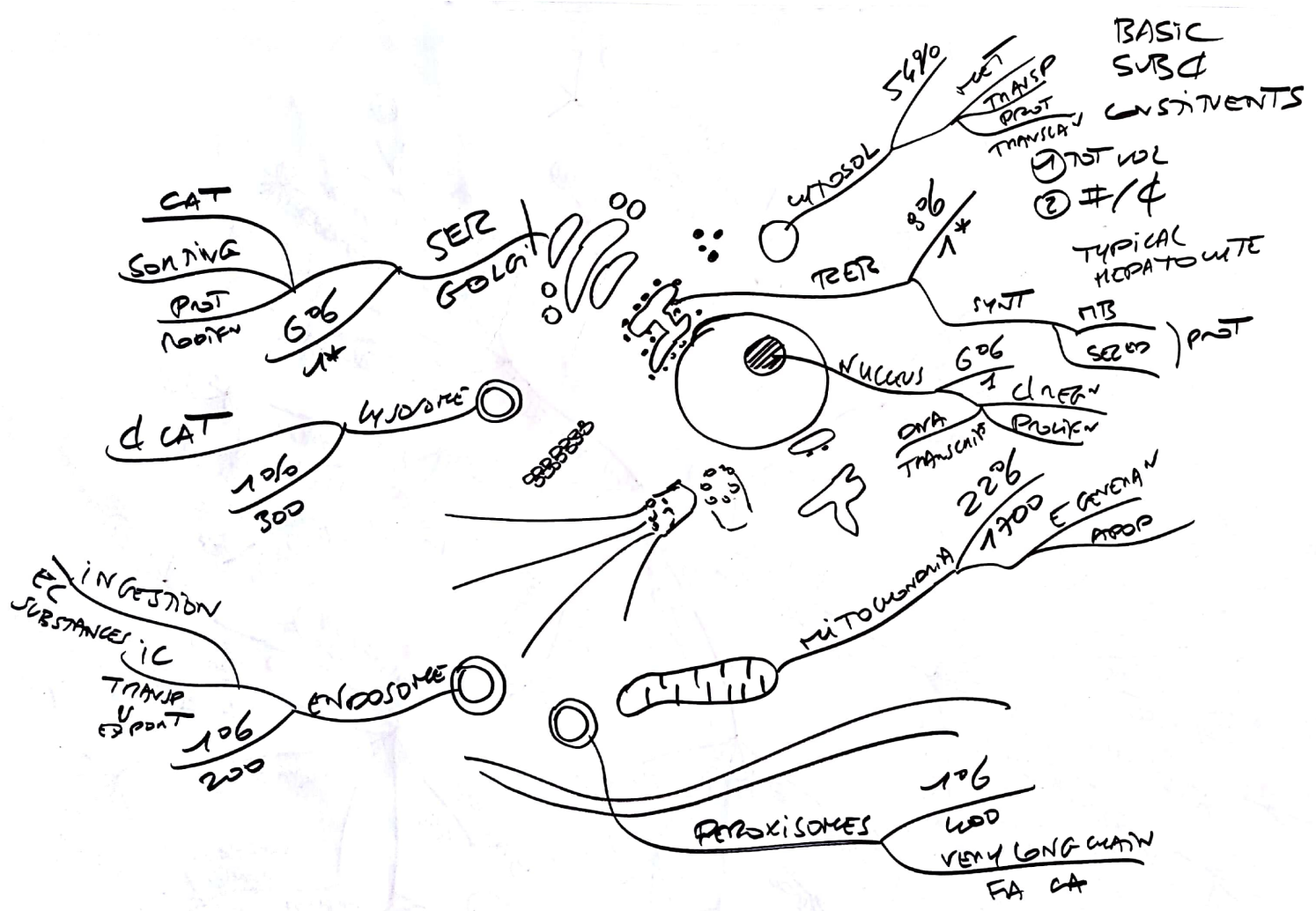
HISTONE CG











INGESTION
 EC
 SUBSTANCES IC
 TRANSP
 106
 200

BASIC SUBST CONSTITUENTS
 ① 70% VOL
 ② #/¢

TYPICAL HEPATO CYTE
 1700
 E GENOM
 1000

54%
 806
 1*

54%
 806
 1*

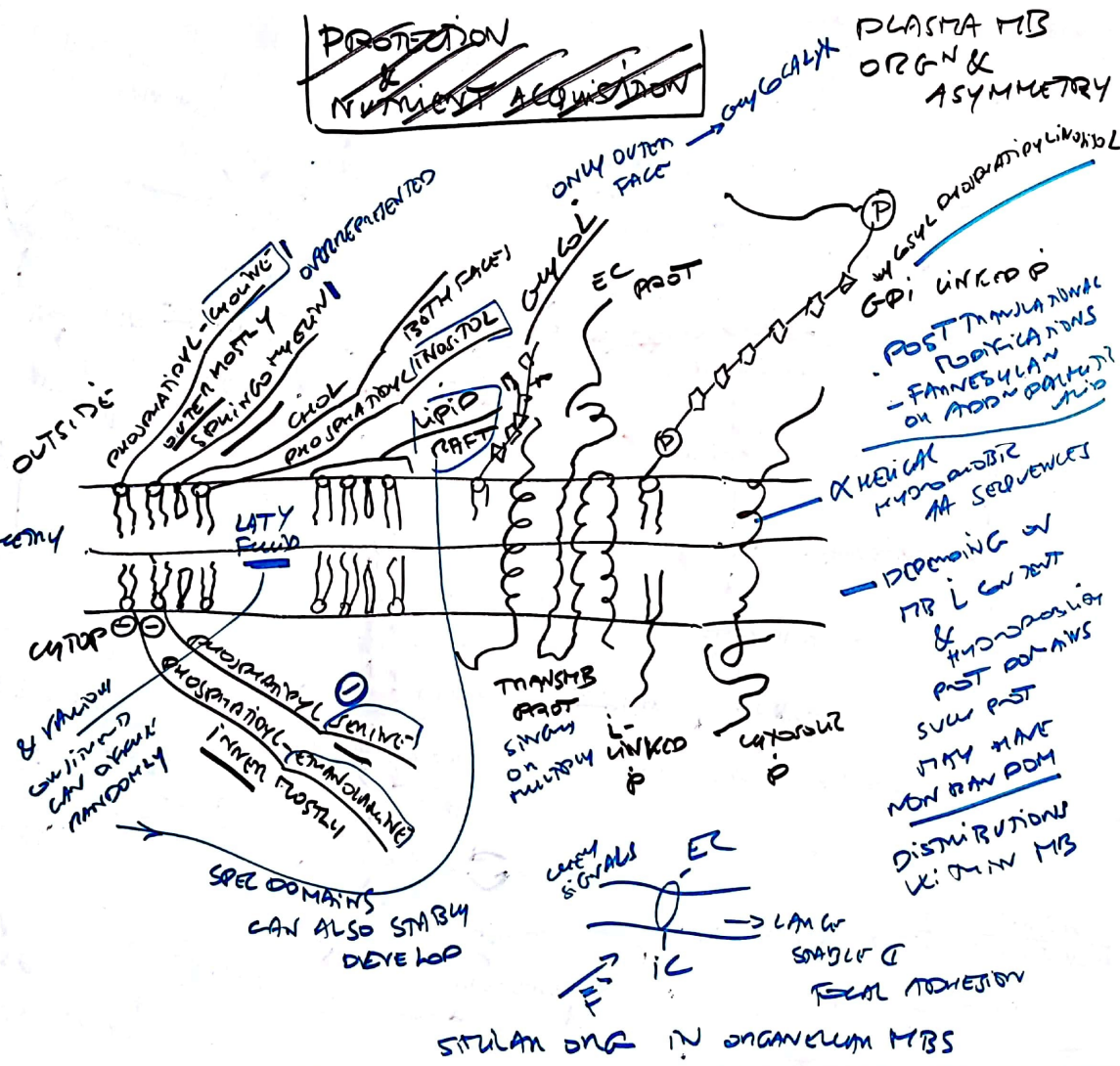
606
 1
 DNA
 TRANSCRIPT
 PROTEIN

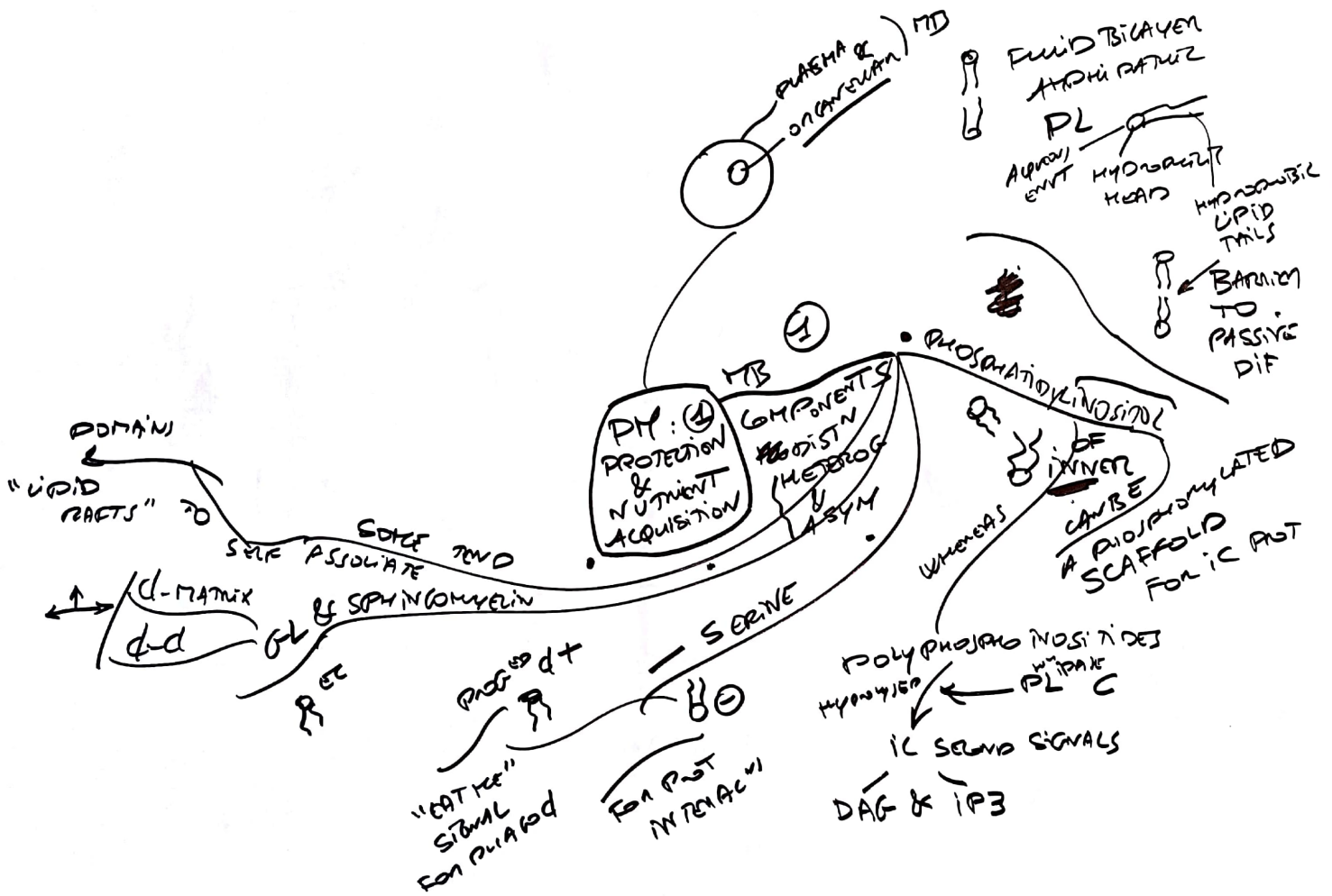
226
 1700
 E GENOM
 1000

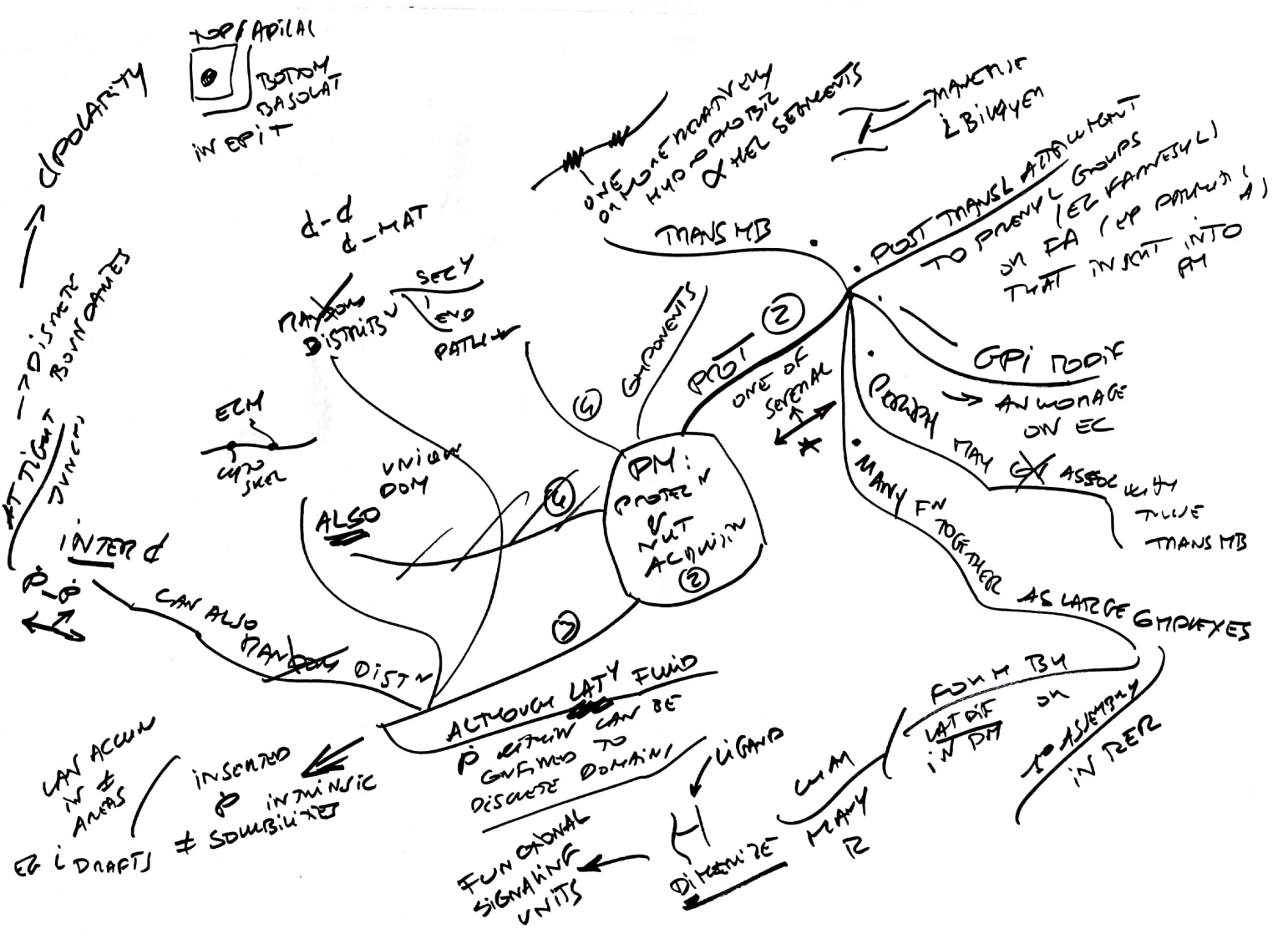
106
 600
 VERY LONG CHAIN
 FA CA

PROTECTION & NUTRIENT ACQUISITION

FLIPFACES → ASYMMETRY





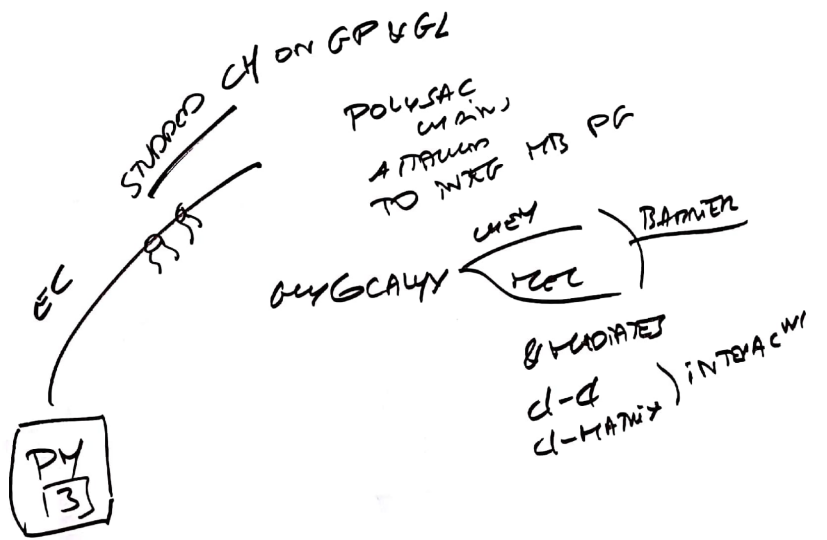


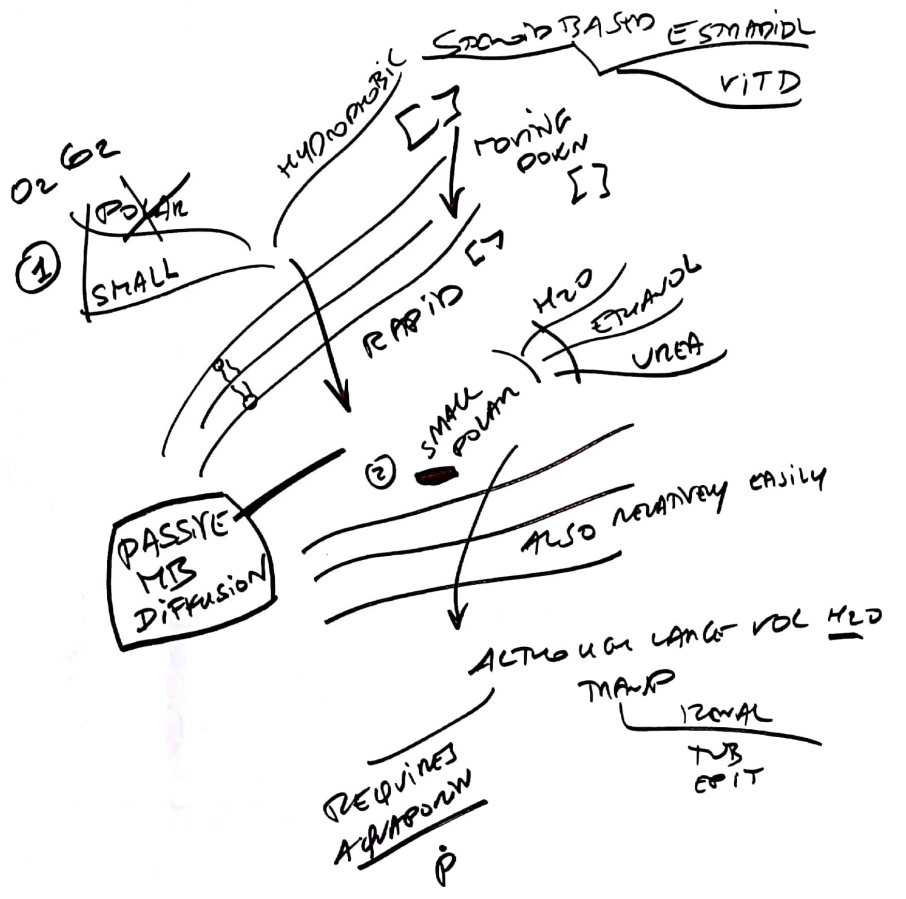
POLARITY
 TOP APICAL
 BOTTOM BASOLAT
 IN EPIT
 AT TIGHT JUNCTIONS
 DISINTEG BOUNDARIES
 CAN ACCUM IN AREAS
 EG DRAFTS
 INTER
 P10
 CAN ALSO RANDOM DISTRIB

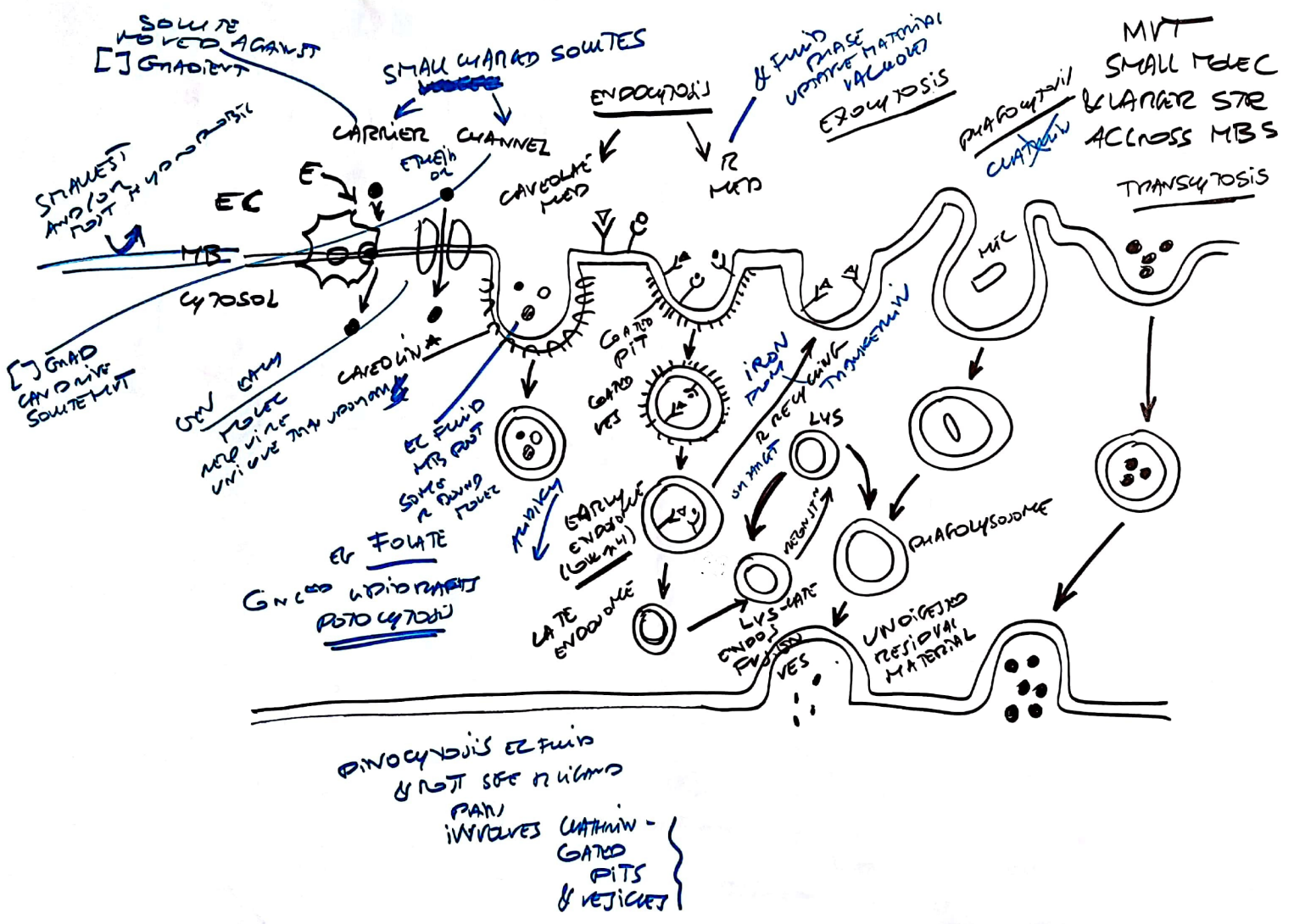
d-d & -MAT
 SECY EVO PATH
 RANDOM DISTRIB
 ECM
 UPD SURF
 ALSO
 UNIQUE DOM
 ALTHOUGH LATY FLUID
 P RTION CAN BE GVFWD TO DISCRETE DOMAINS
 FUN CTIONAL SIGNALLING UNITS
 DIVERSIFY

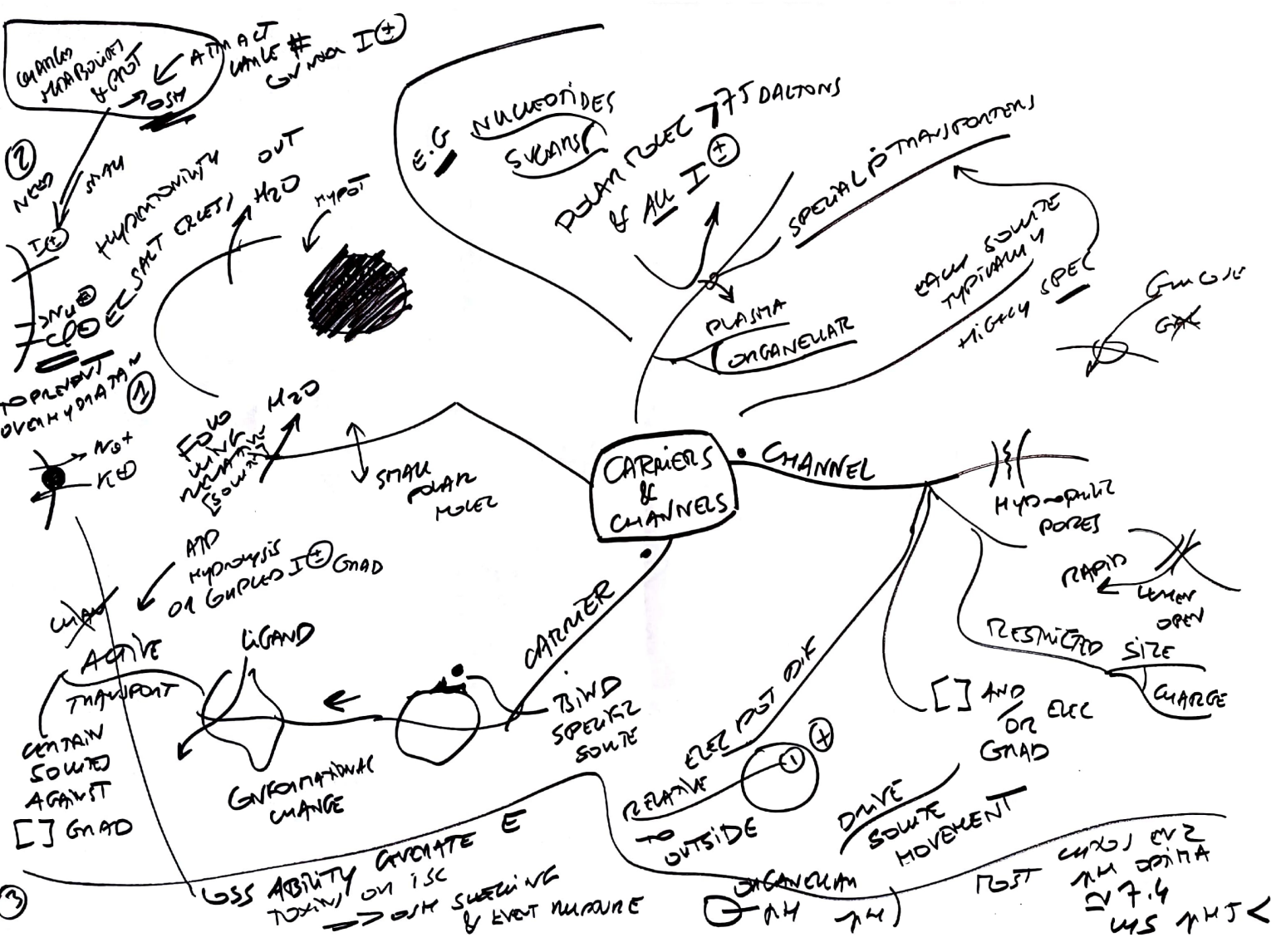
TRANSMEMBRANE
 ONE OR MORE MEMBRANE PROTEIN OR HELPER SEQUENCES
 TRANSMEMBRANE BILAYER
 POST
 POST TRANSLATION TO PROXY GROUPS OR FA (UP DOWN) THAT INSERT INTO PM
 GPI ROOT
 ANCHORAGE ON EC
 MANY EN TOGETHER AS LARGE COMPLEXES
 ASSOC WITH TRUE TRANS MB

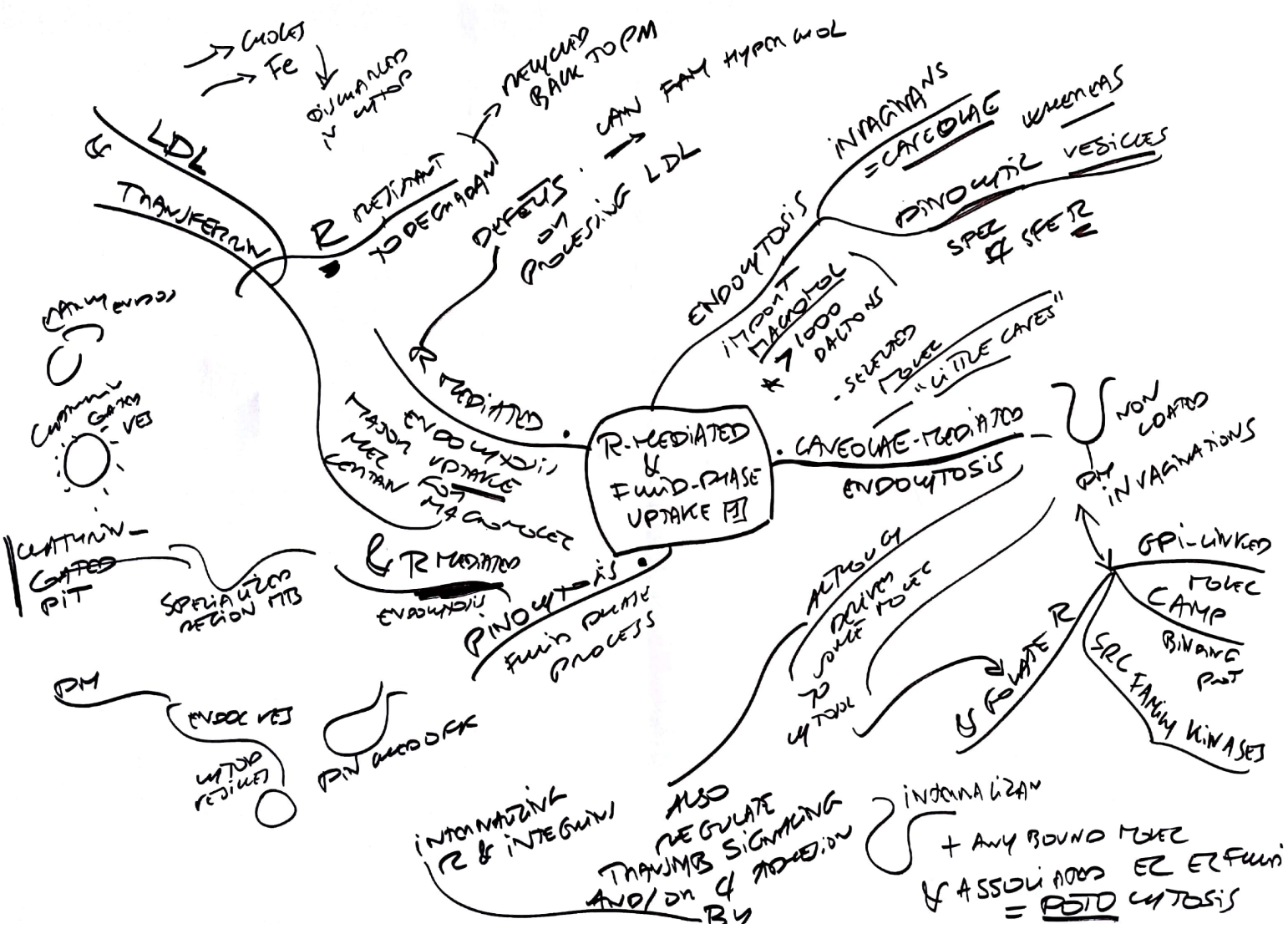
FROM TBH
 LAT DIF IN PM
 TO ASSEMBLY IN RER
 CAN ALSO RANDOM DISTRIB

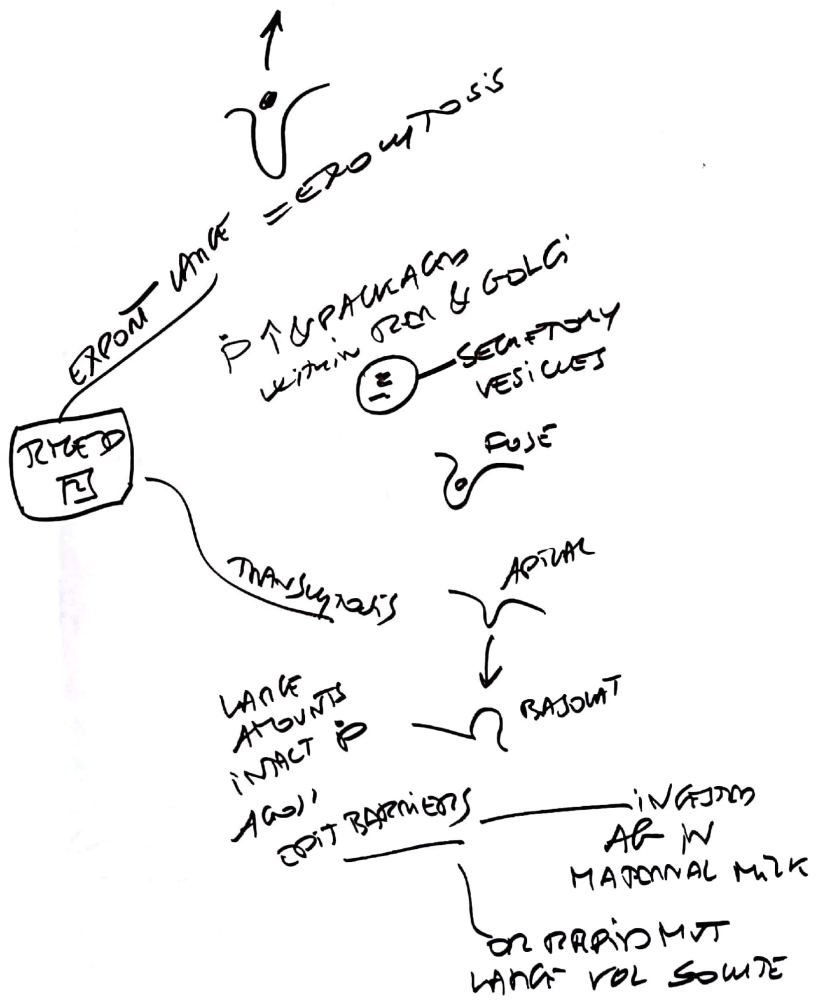




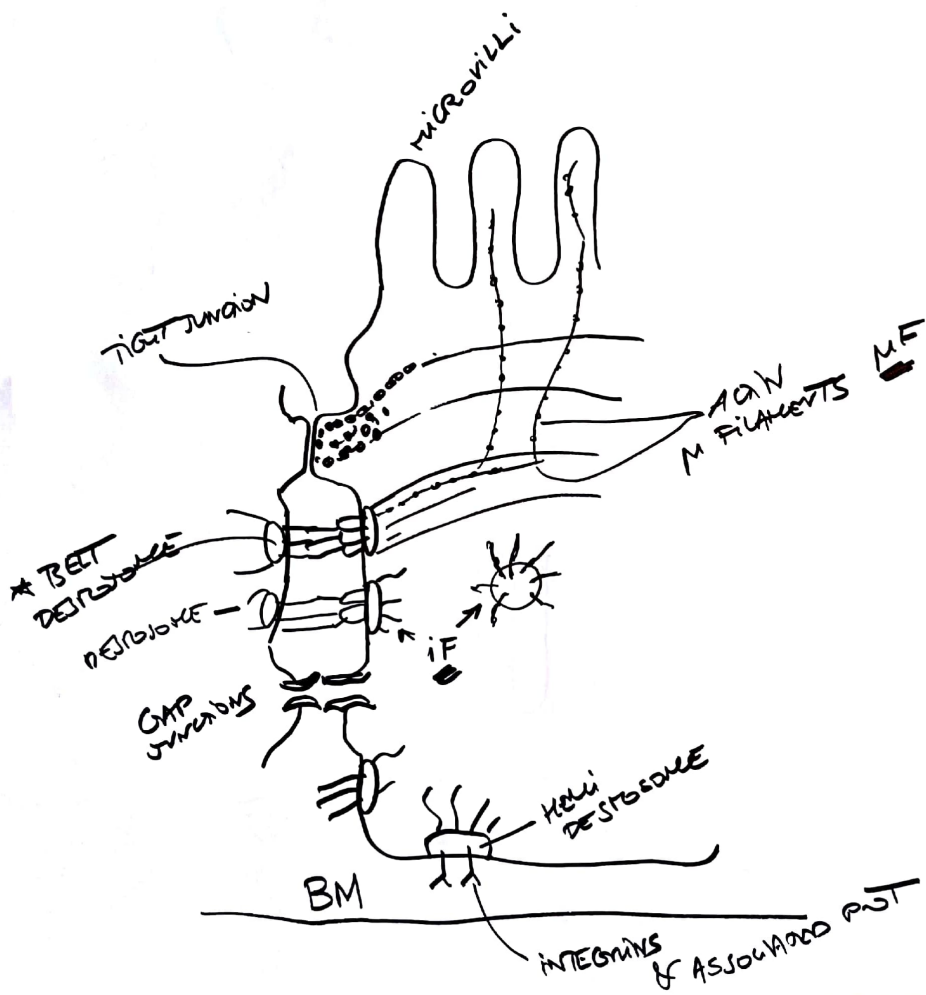


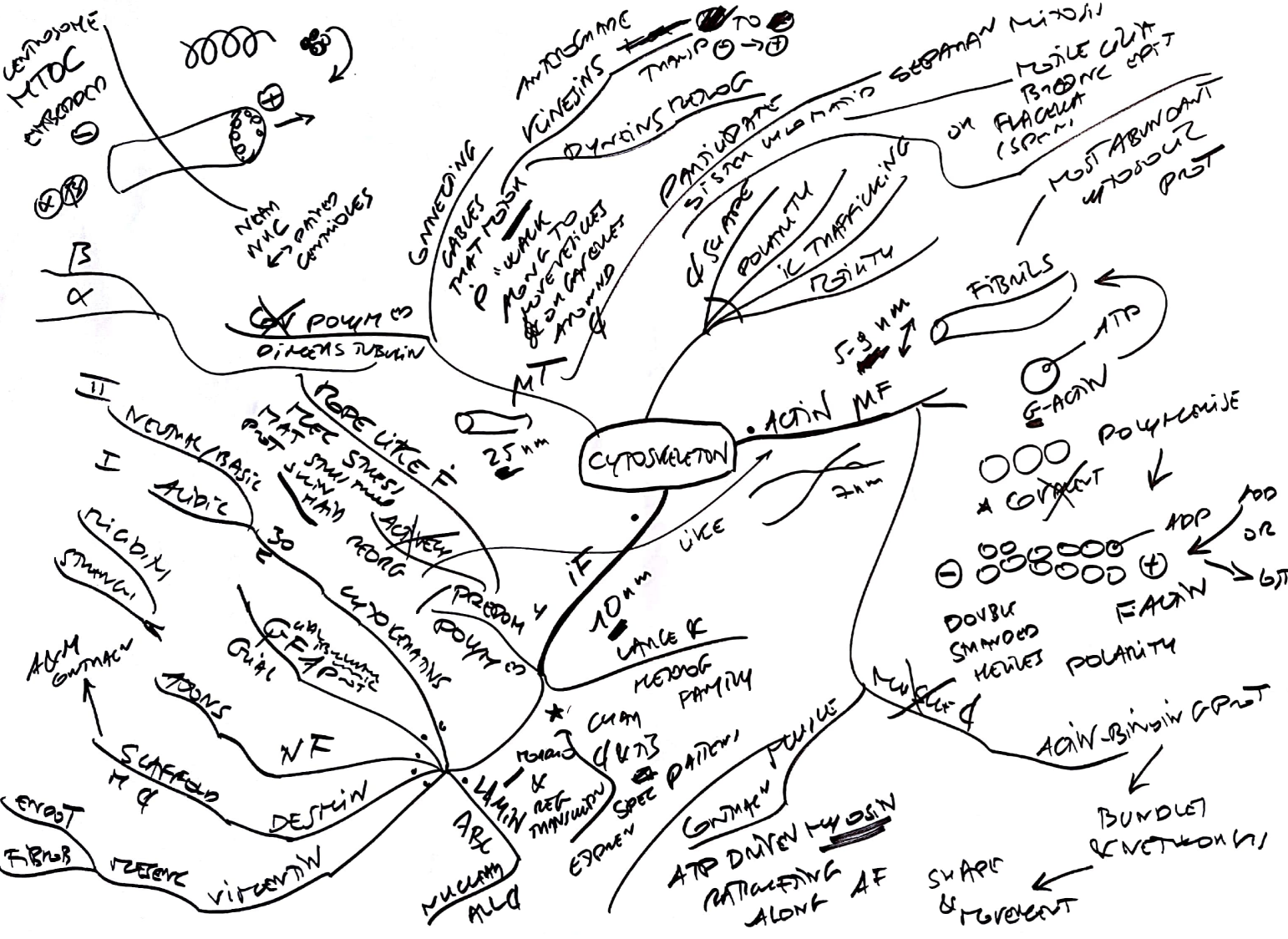


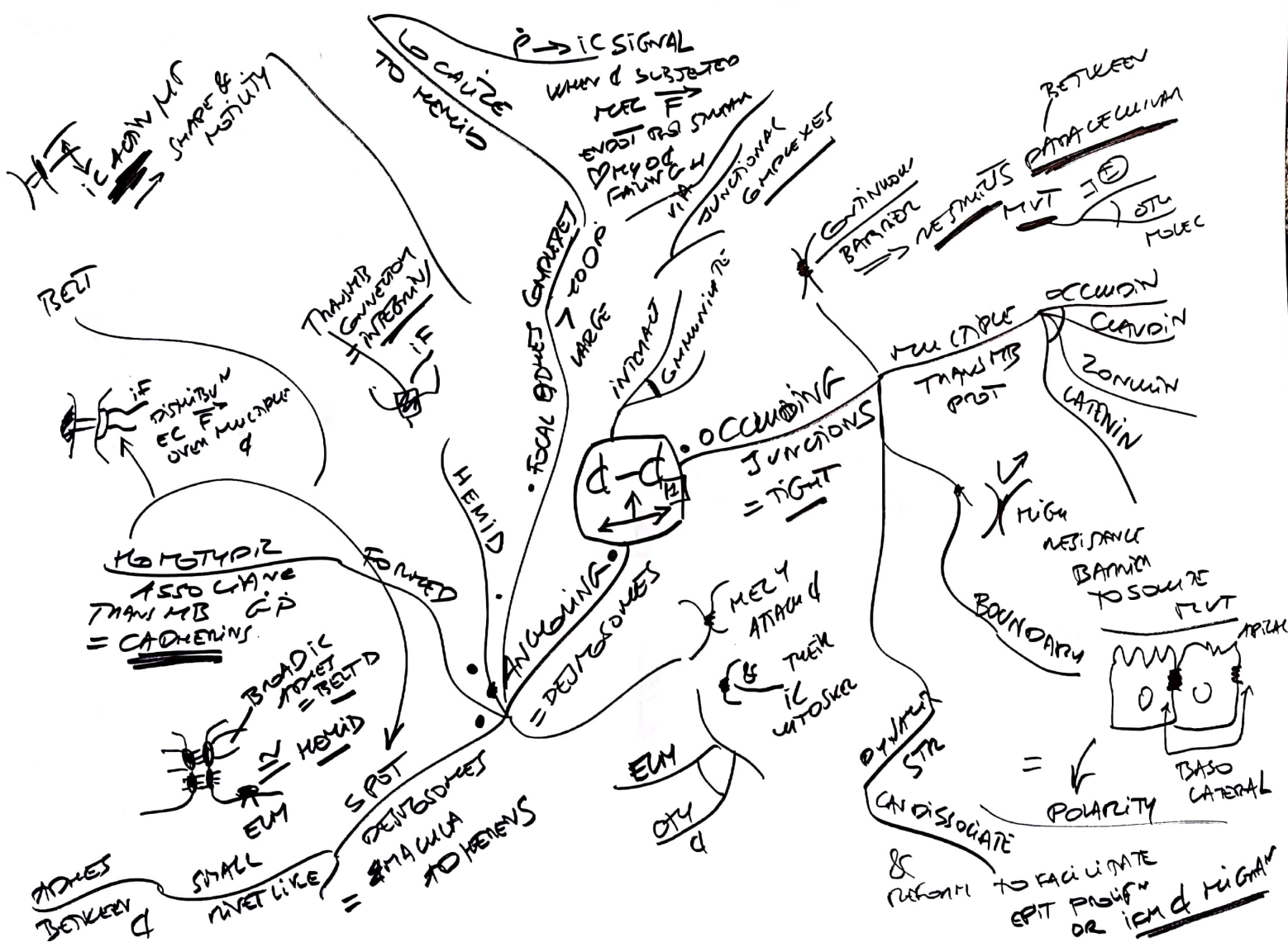


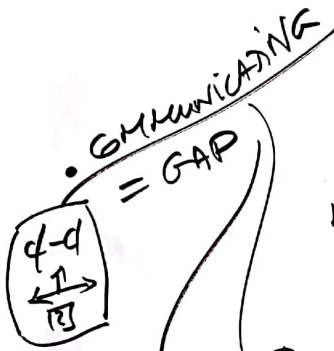
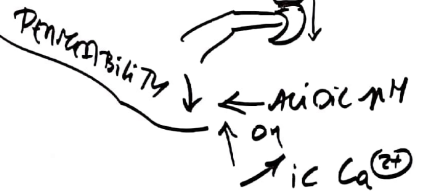
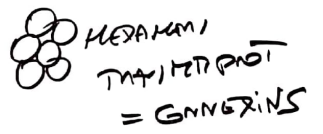
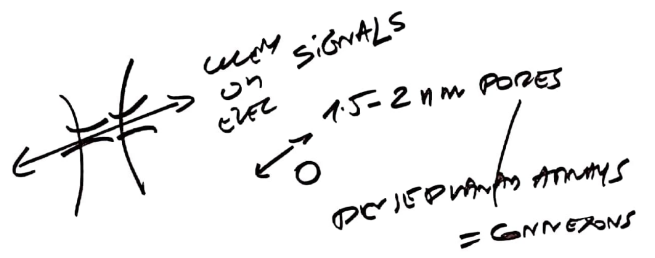


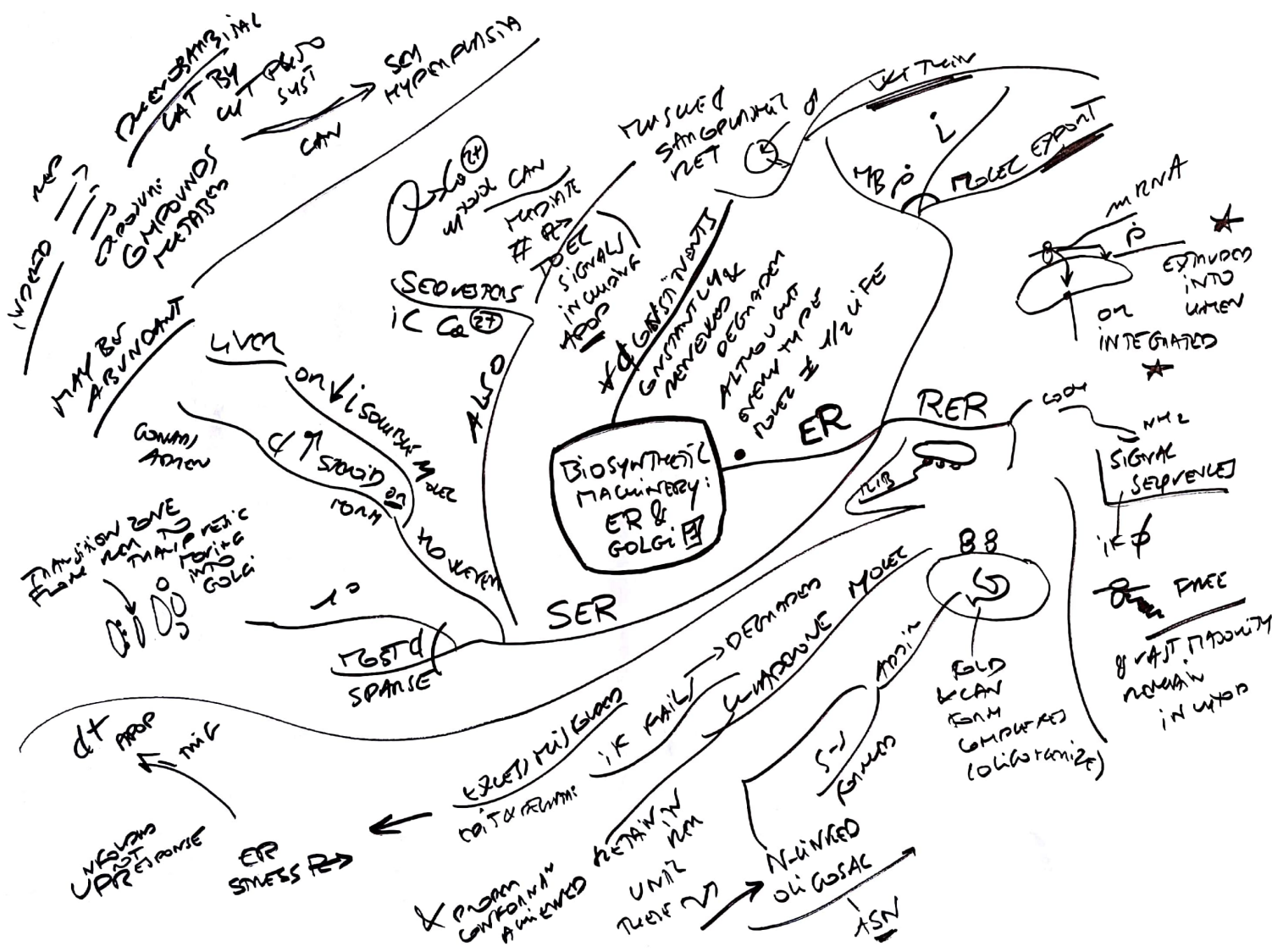
CYTOSKELETAL
EVENTS &
d-d \leftrightarrow

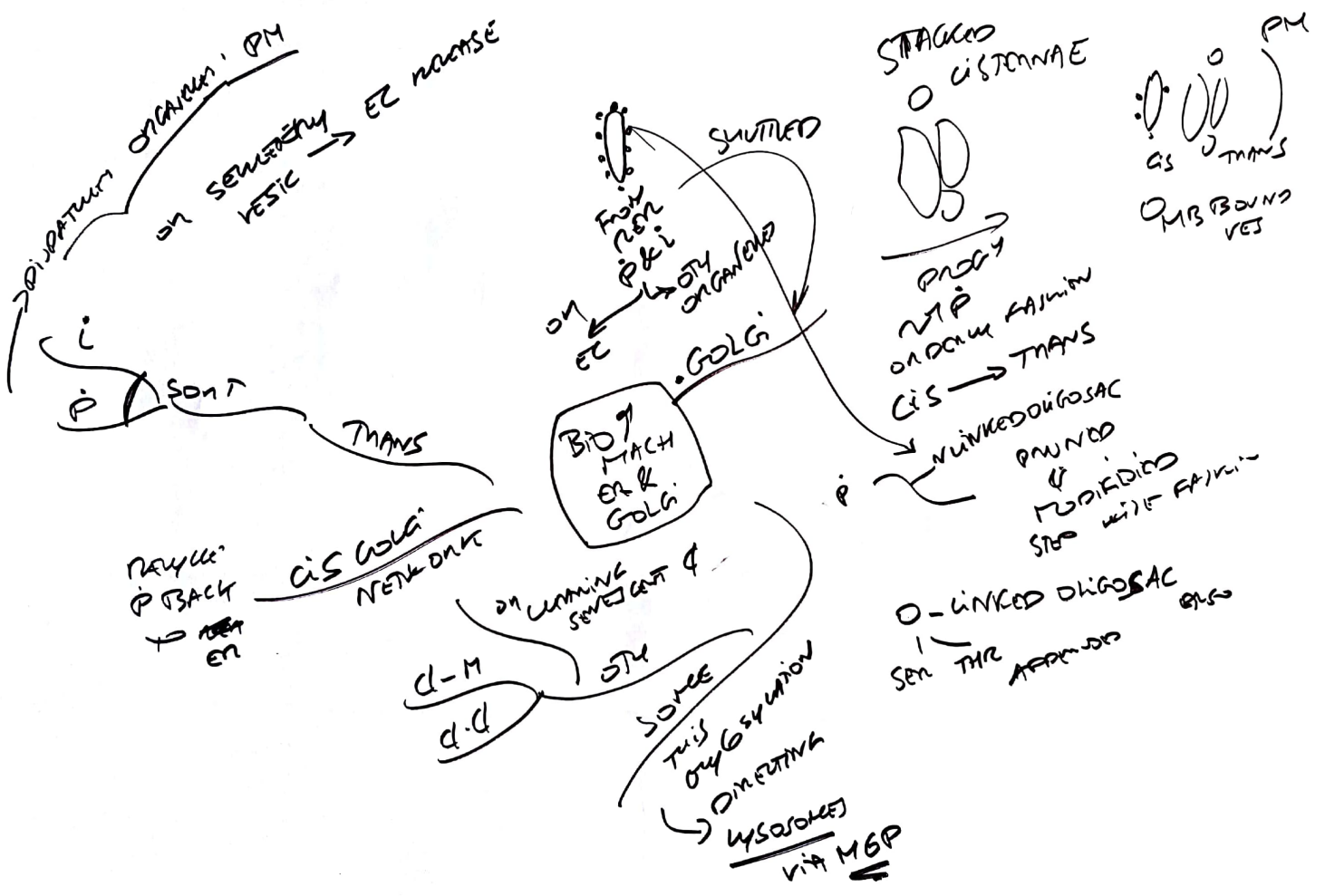












DISULFIDE BOND FORMATION: PM
 ON SECRETORY VESICLE → ER REVERSE
 CHAPERONES
 N-LINKED OLIGOSAC
 COPII
 PHOSPHATE
 TRANS

ON ER
 FROM RER
 PHOSPHATE
 ON GOLGI
 SHUTTLED
 GOLGI

BIOGENIC
 ER & GOLGI

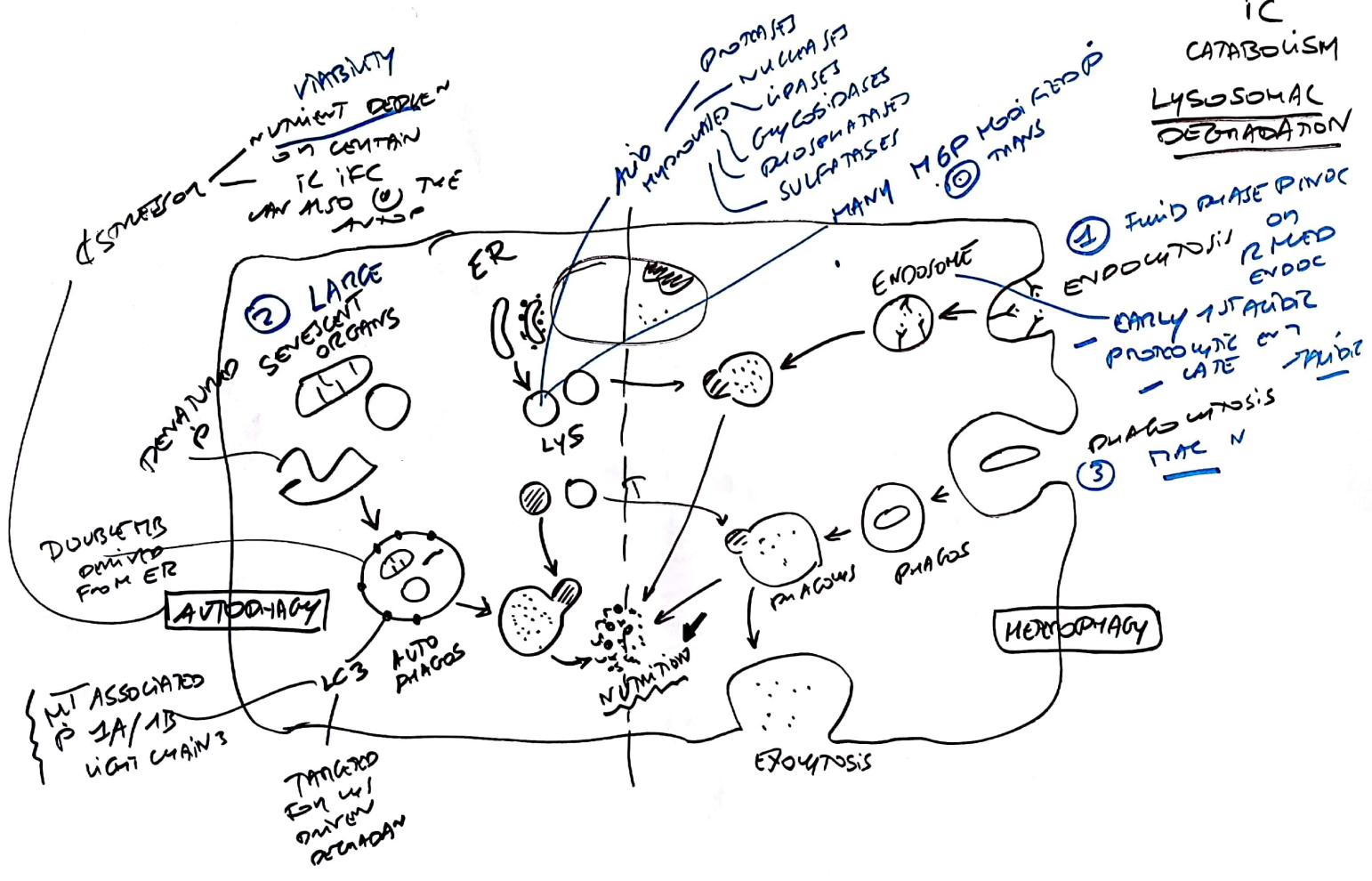
STACKED
 OLIGOSACCHARIDE
 CIS TRANS
 QMB BOUND VES
 PM

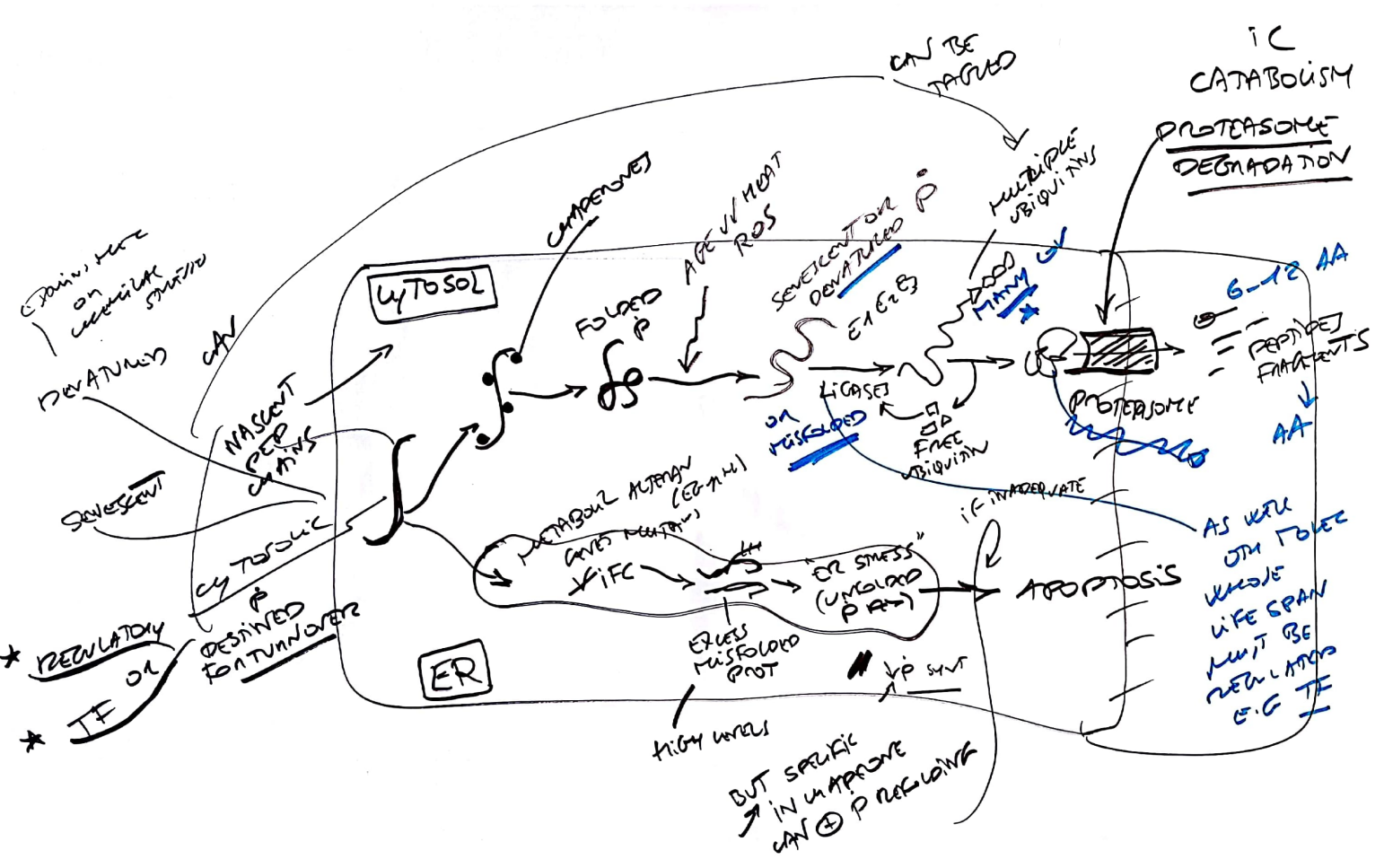
PROXY
 NTP
 ON OLIGOSACCHARIDE
 CIS → TRANS
 UNLINKED OLIGOSAC
 PRUNED
 &
 MODIFIED
 STEP WITH FAMILY

O-LINKED OLIGOSAC
 SER THR
 APPENDAGE
 ERSS

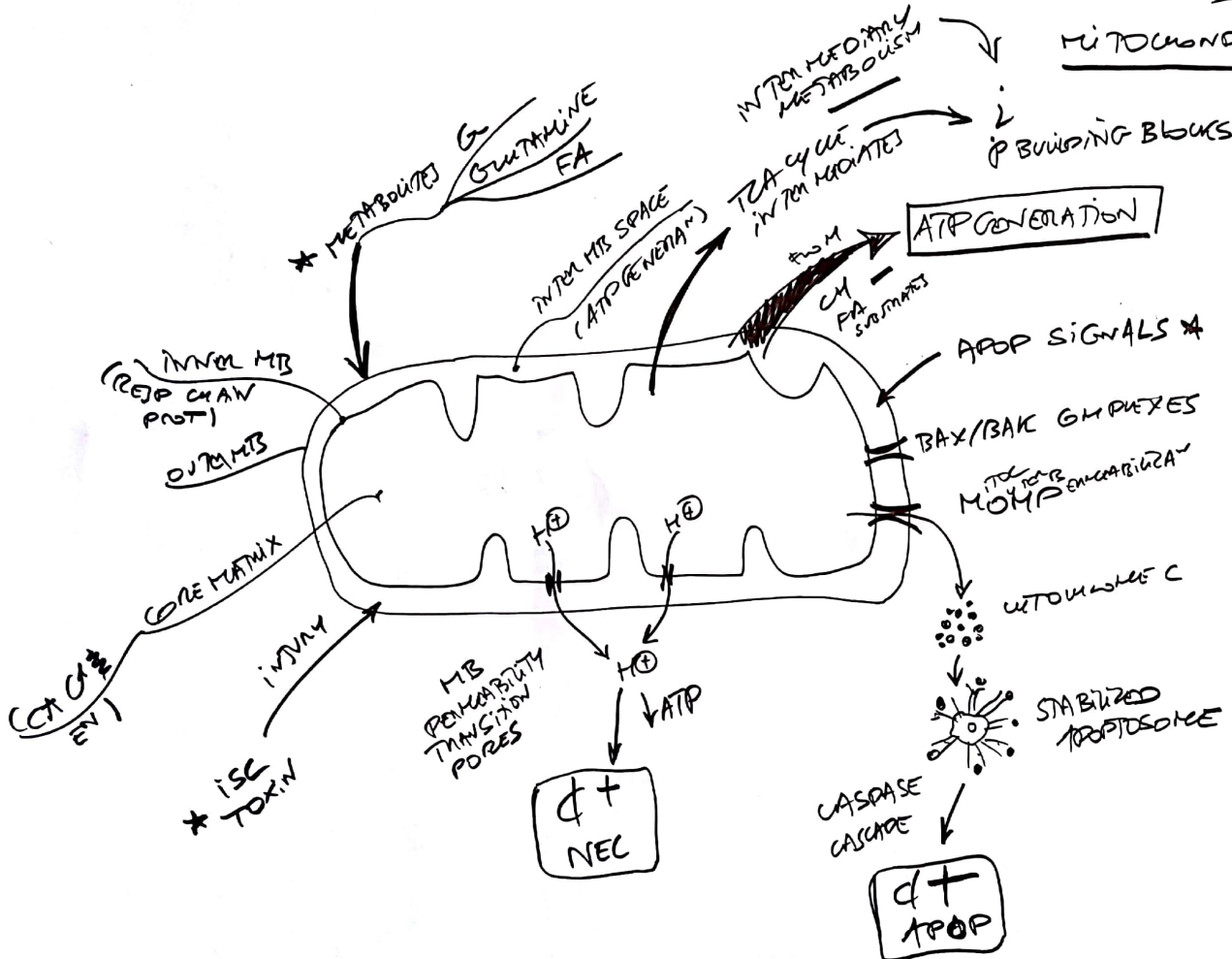
CIS GOLGI NETWORK
 ON LUMENAL SURFACE
 CL-M
 CL-C
 SOME
 THIS
 OXYGENATION
 DIRECTING
 LYSOSOMES
 VIA M6P

IC
CATABOLISM
LYSOSOMAL
DEGRADATION



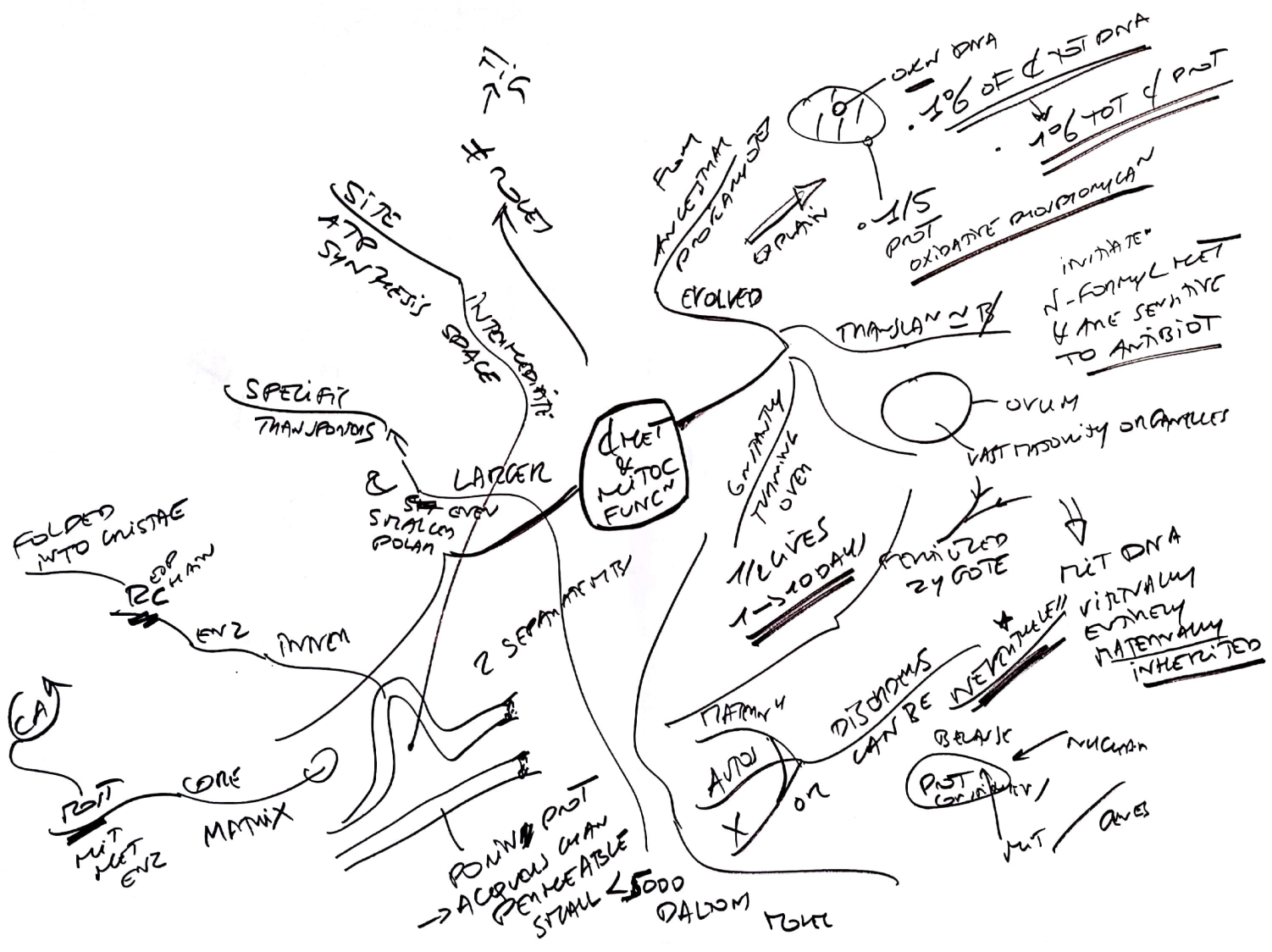


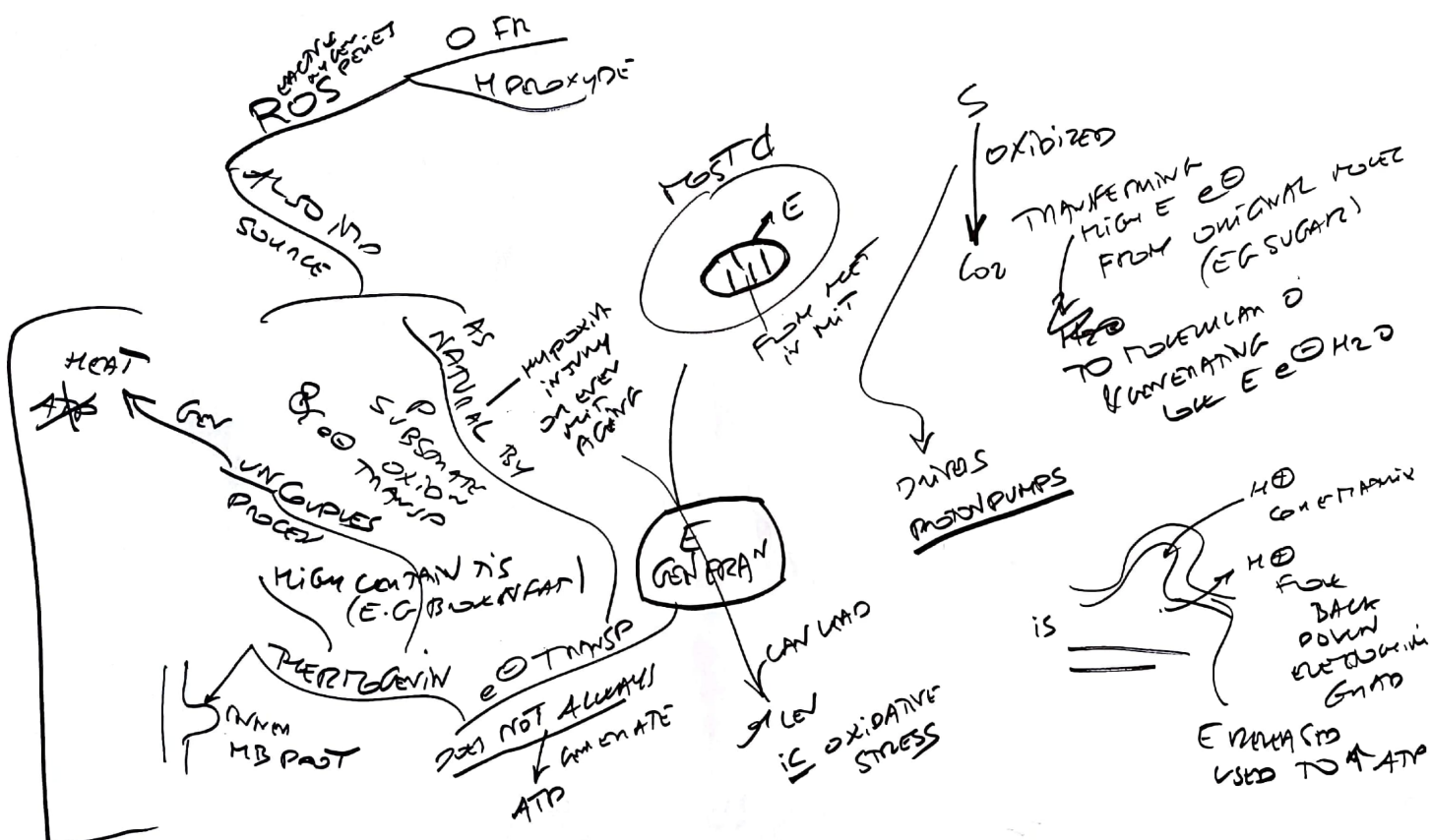
ROLES
MITOCHONDRIA



\downarrow
+
NEC

\downarrow
+
APOP





INTERMEDIATE METABOLISM

OP BUT ALSO "BUMPS"
ATP+++
G
CO₂ & H₂O
LEAVING NO CARBON
MOETES
SUITABLE FOR ↑
L & P

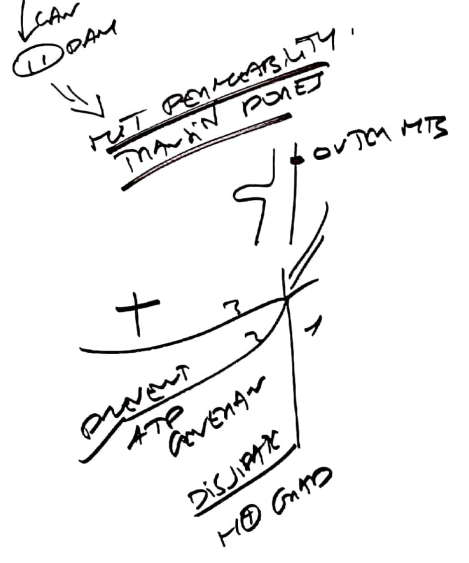
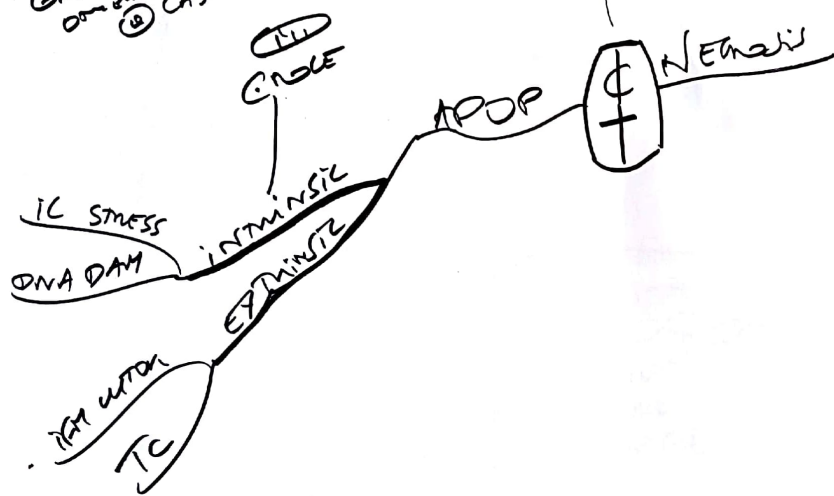
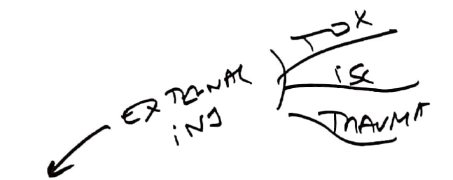
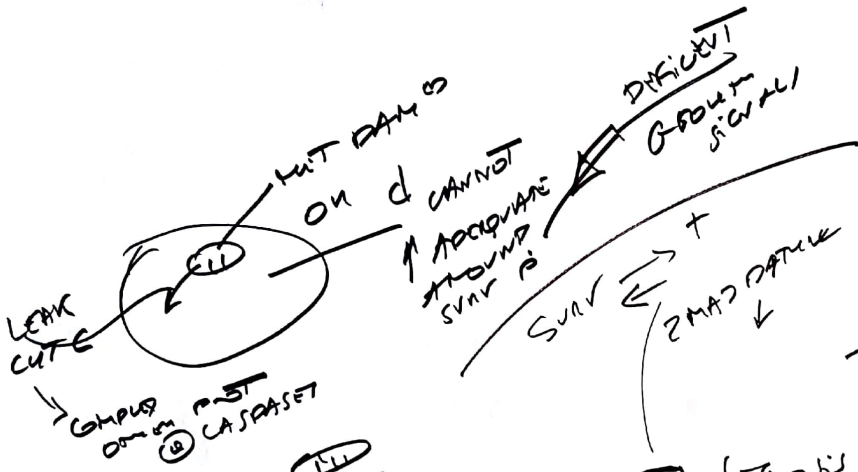
RAPID
GROWING
&
BENT MAL
2

GLUTAMATE
&
GLUTAMINE
UPTAKE
G
GILN

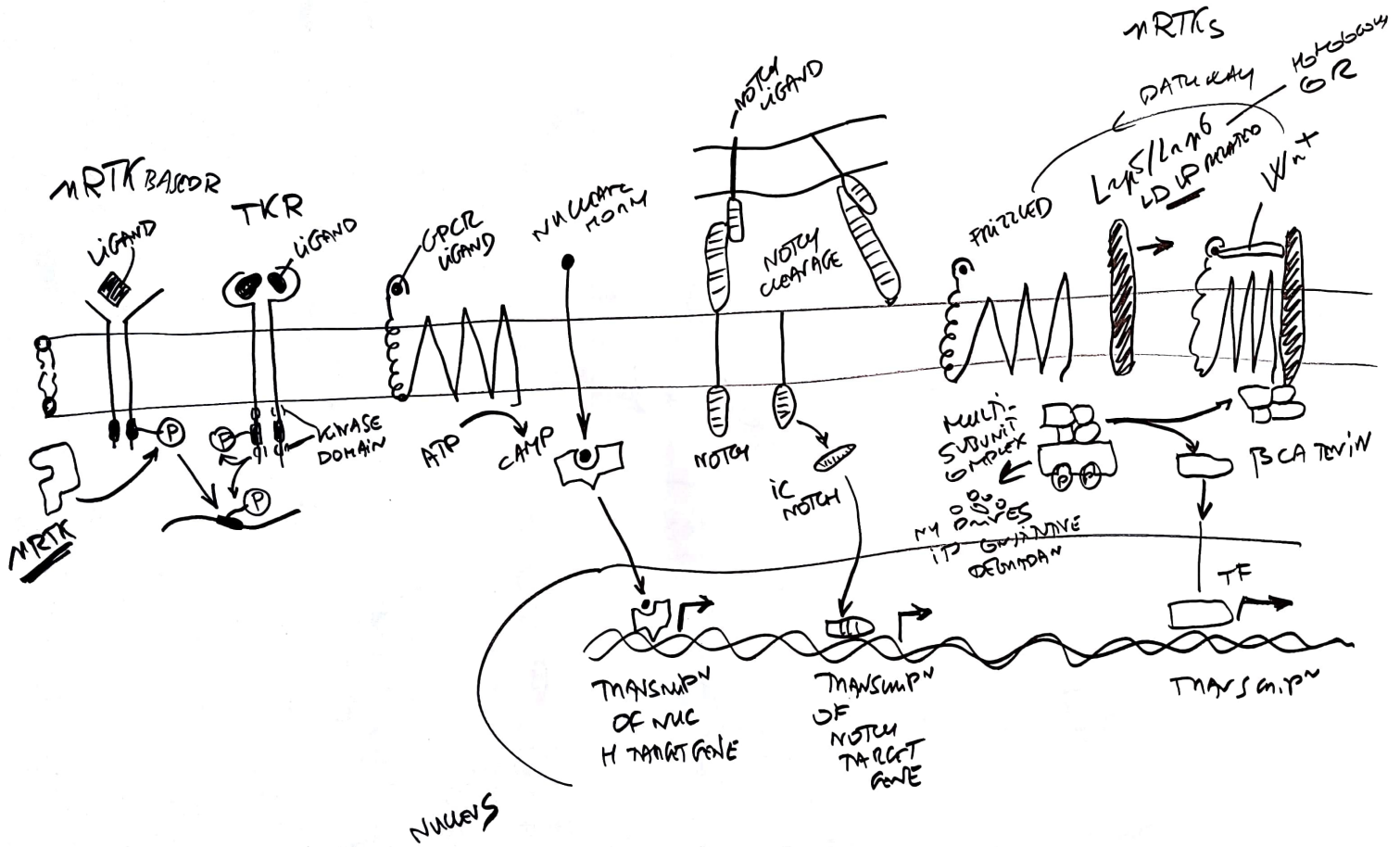
↓ PRODUCE ATP / GLUCOSE
MUTET

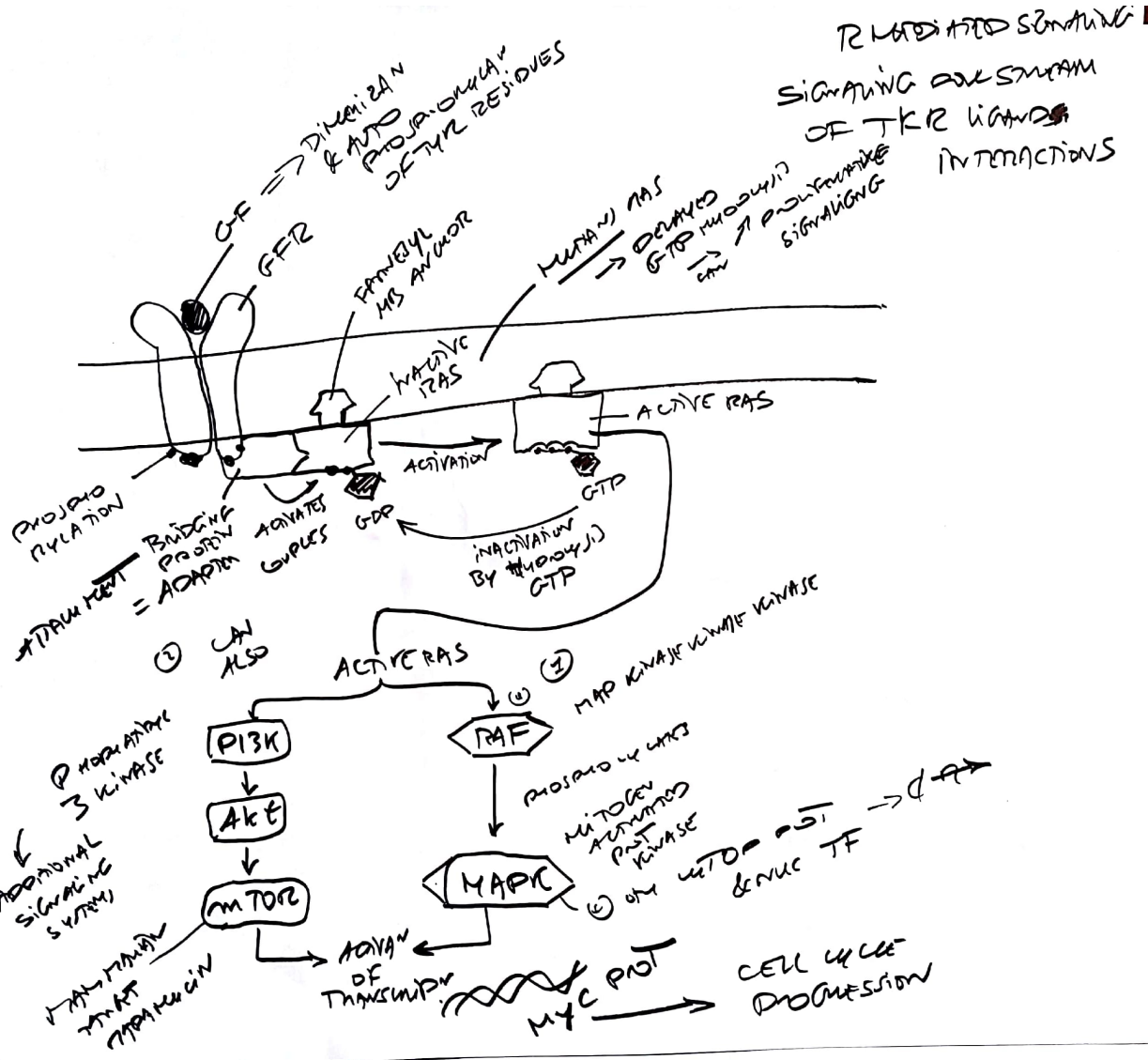
INSTEAD
OF BEING USED
TO MAKE ATP
W/ TEMPERATURE
ARE "SPUN-OFF"
TO MAKE
NA
POT

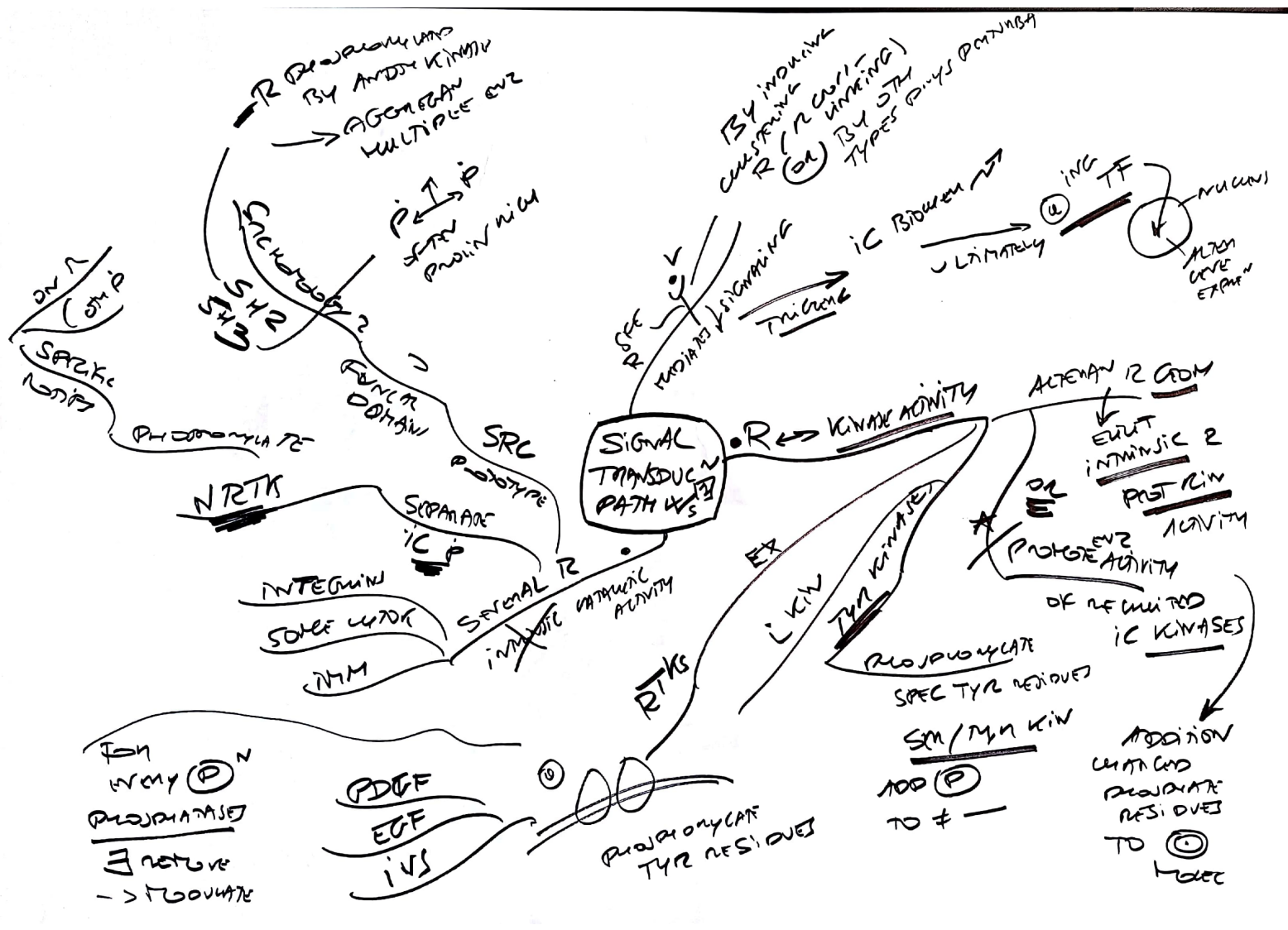
WARMING
EFFECT
MEMOR
646413

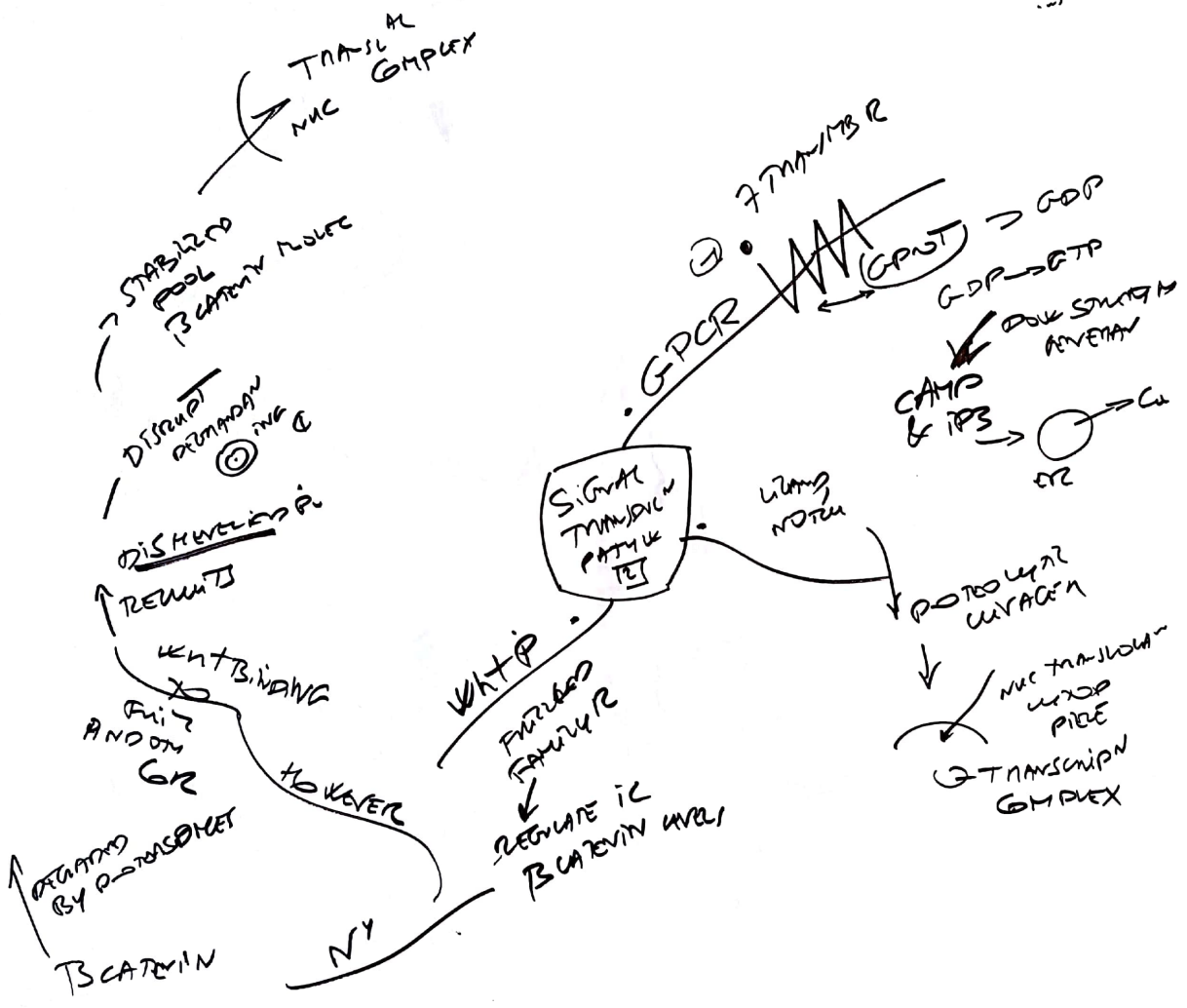


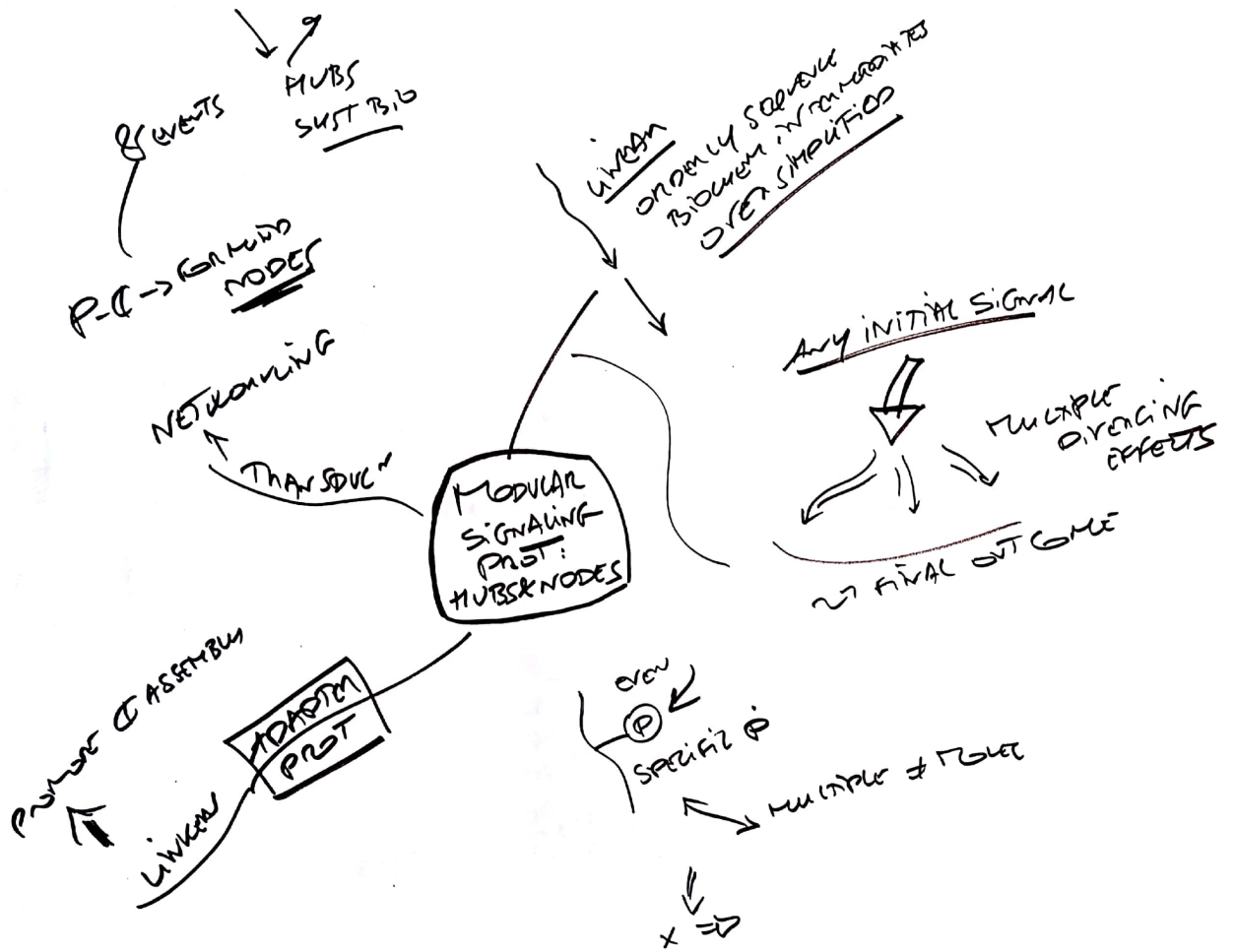
R MEDIATED SIGNALING
NON RTYR KINASE

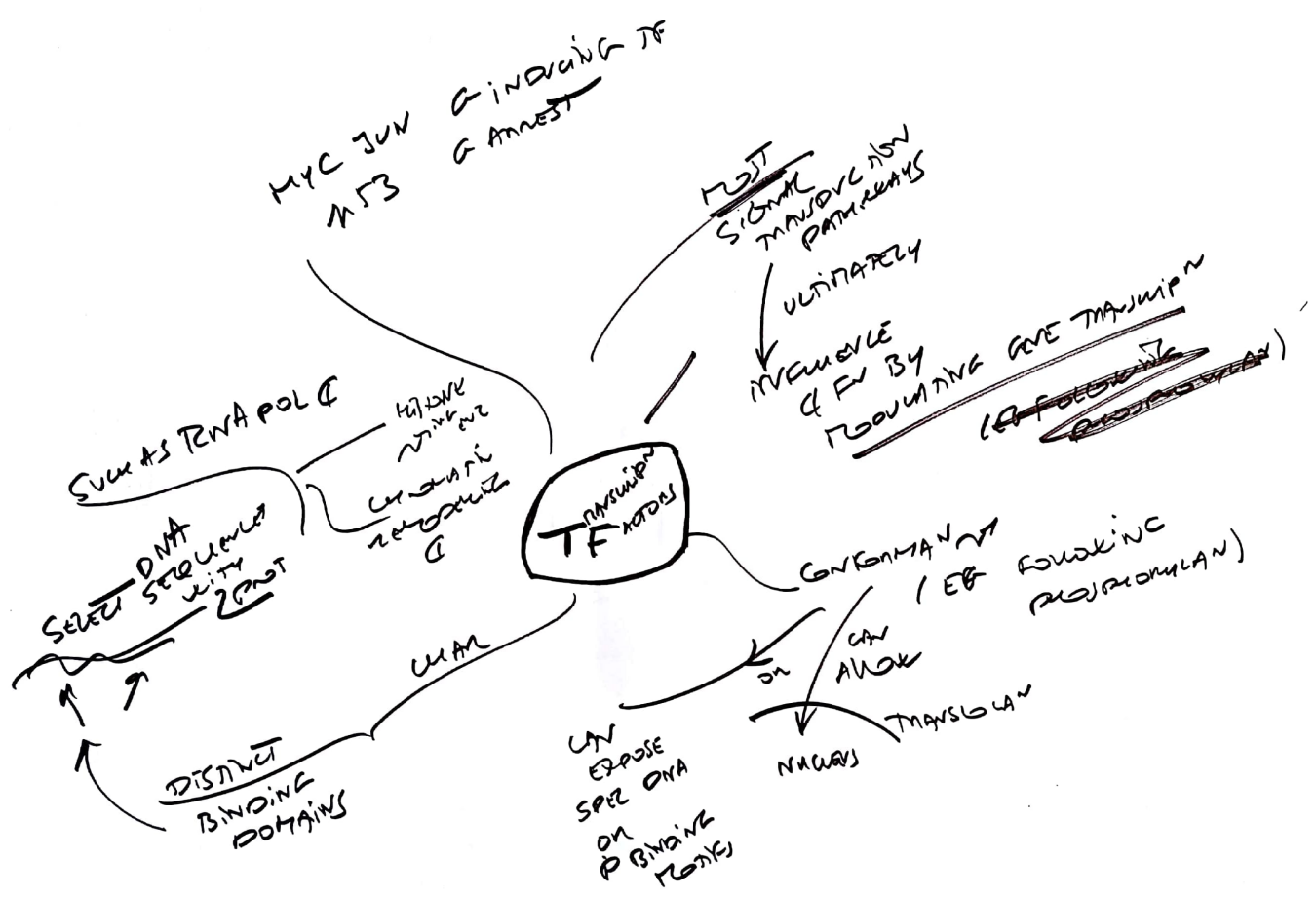


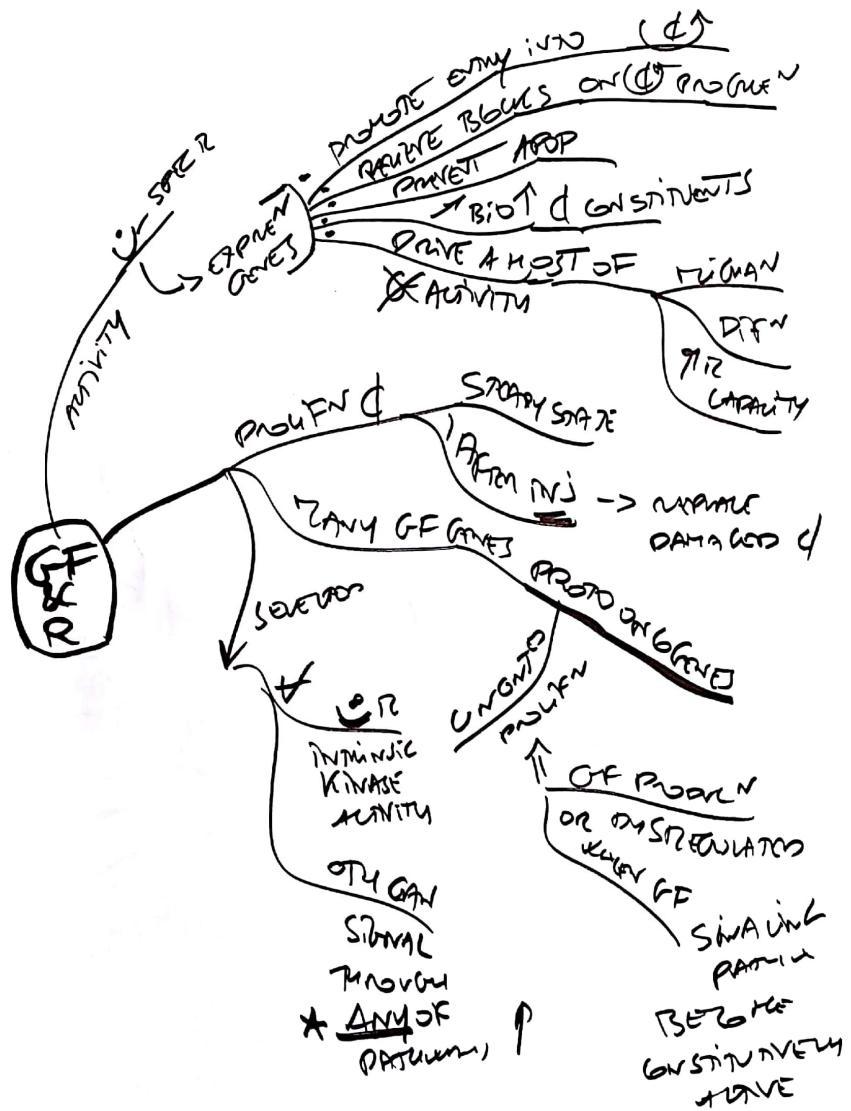










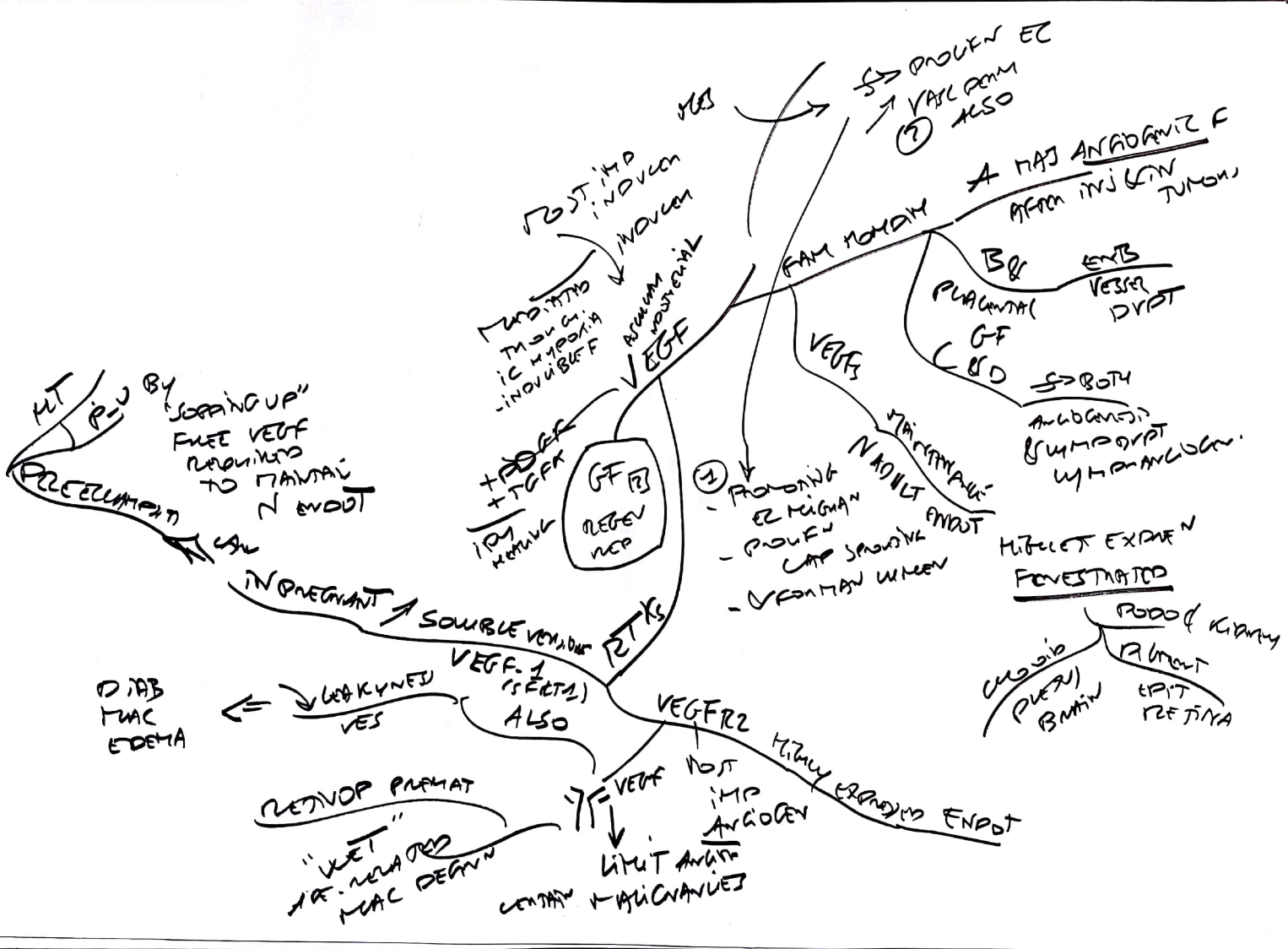


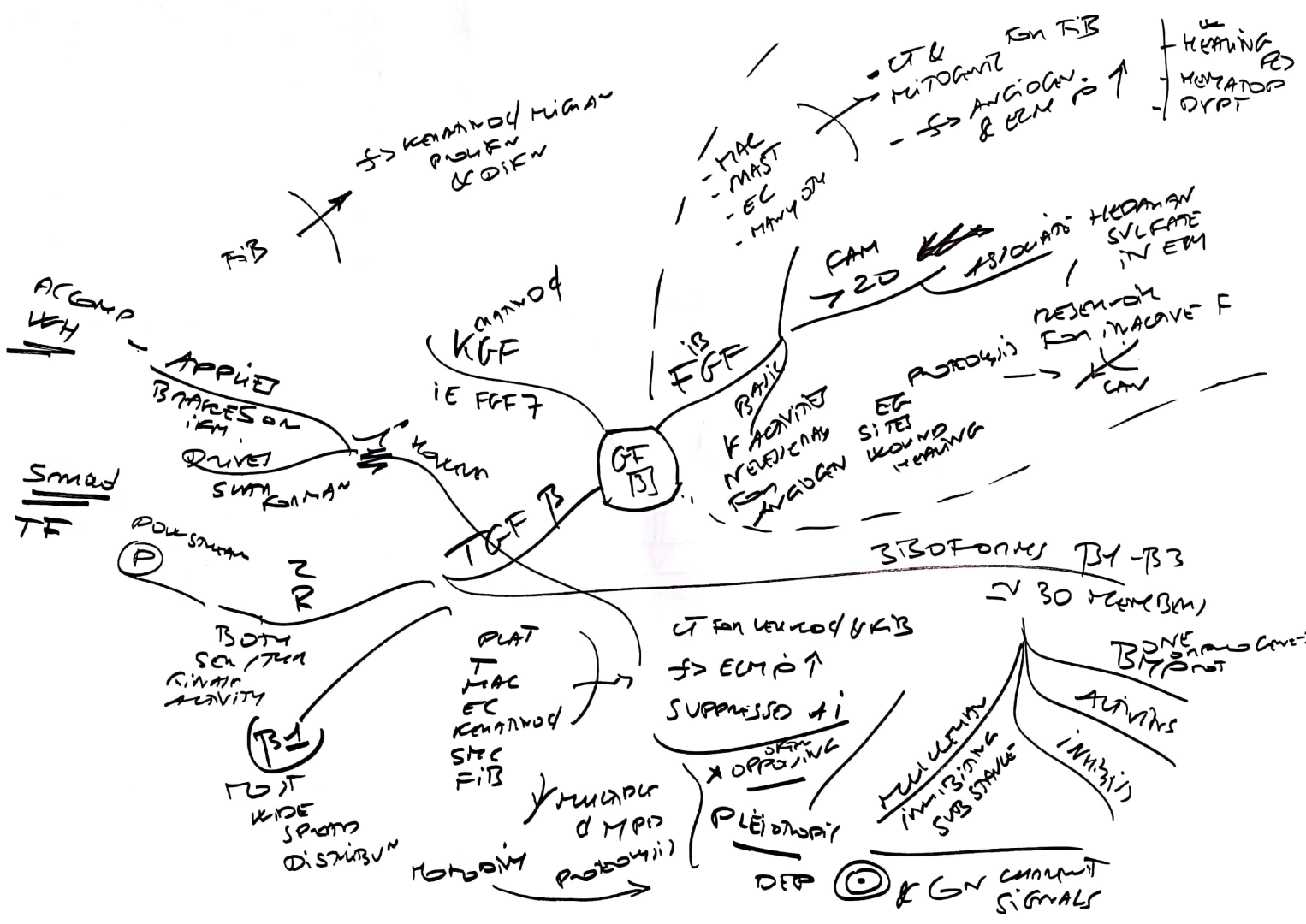
PDGFR α & β - non-inhibitory TK activity
 2 classes

* EPIT & SOURCES

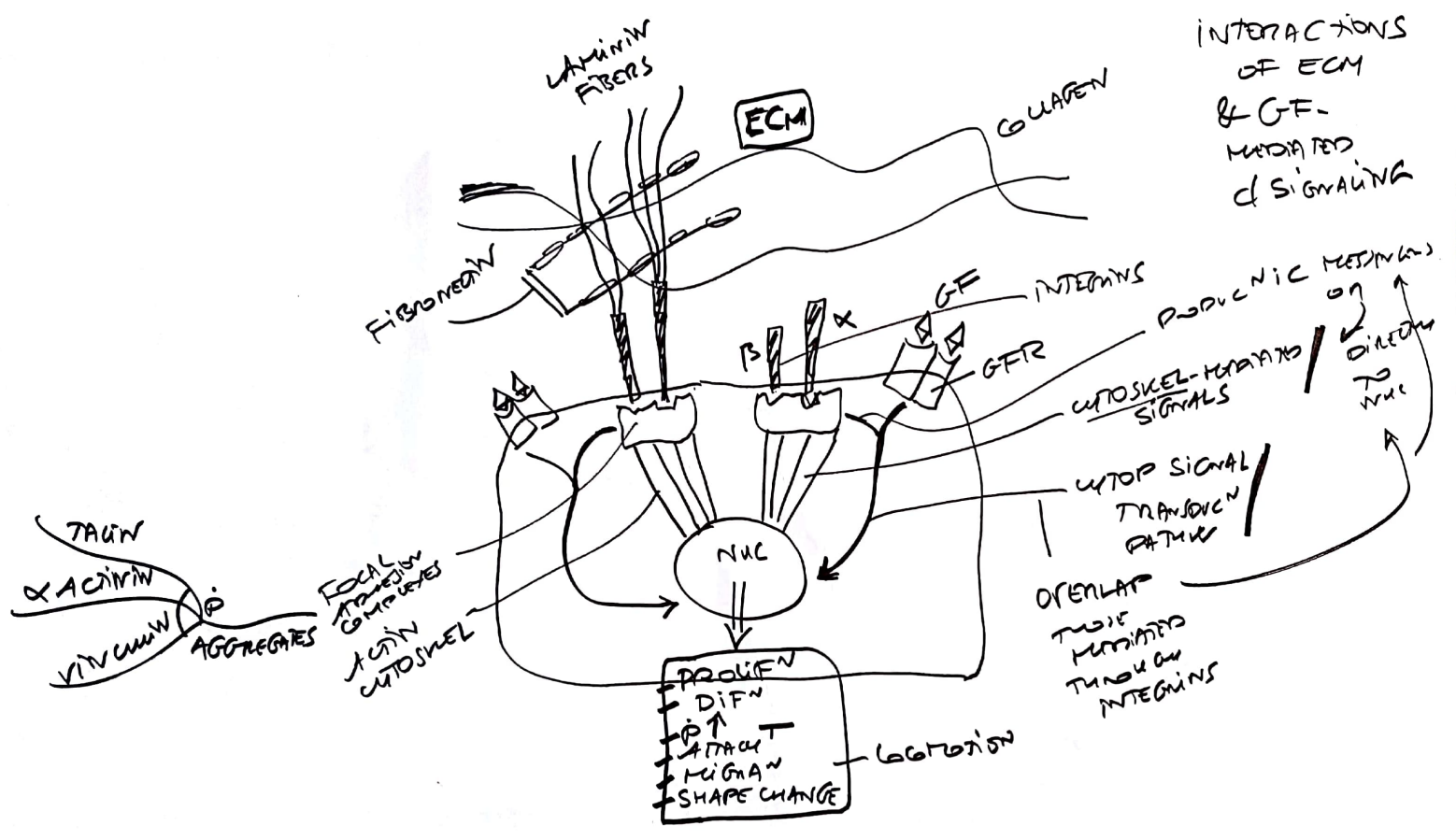
FUNCTIONS
 MITOGENIC & FIBROBLAST
 KIDNEY \oplus \uparrow GT
 \oplus PROOF W/ HEPATOC
 & MANY OTHERS



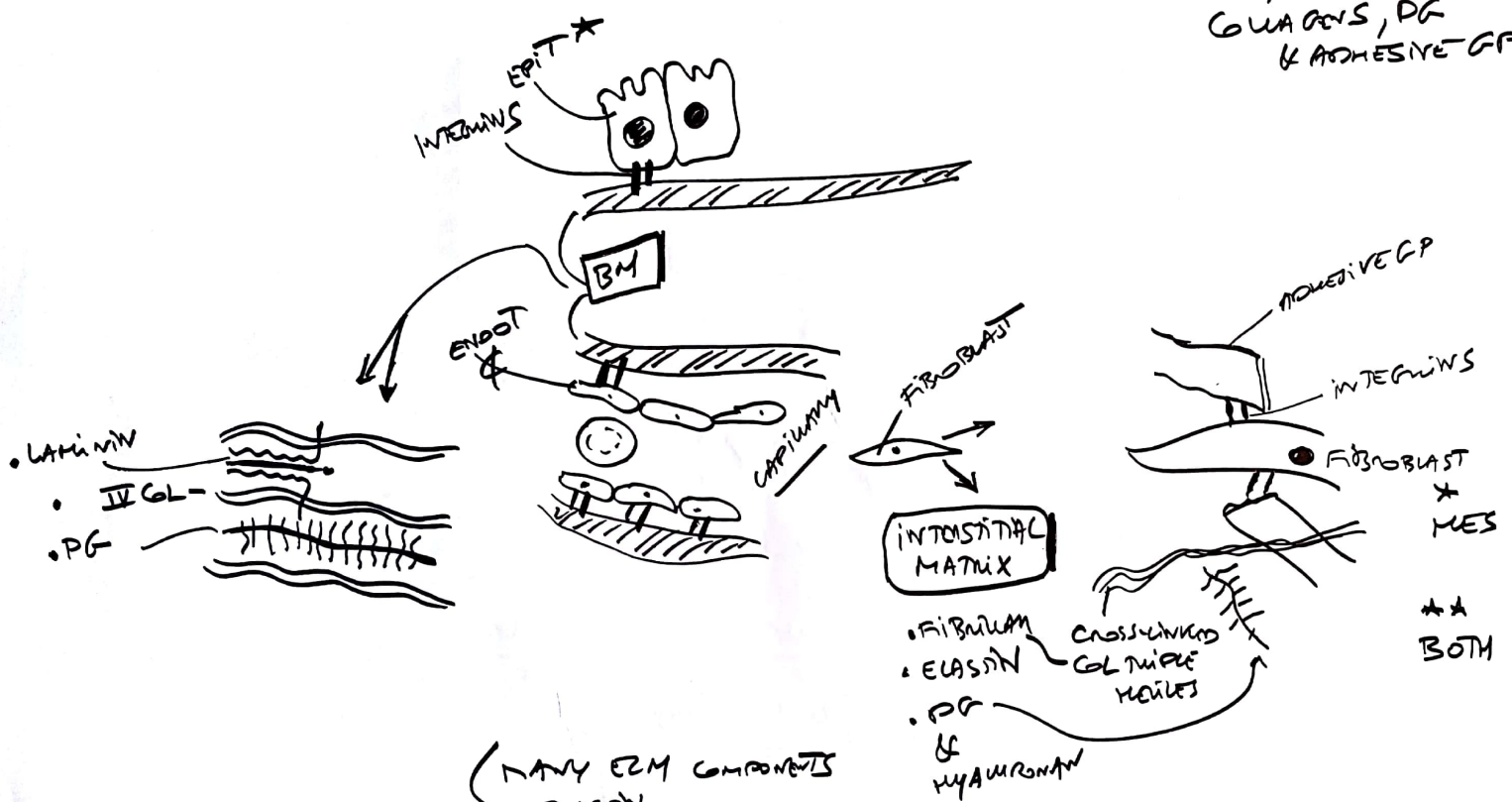




INTERACTIONS
OF ECM
& GF-
MEDIATED
SIGNALING



MAIN COMPONENTS
ECM, INCLUDING
COLLAGENS, PG
& ADHESIVE GP

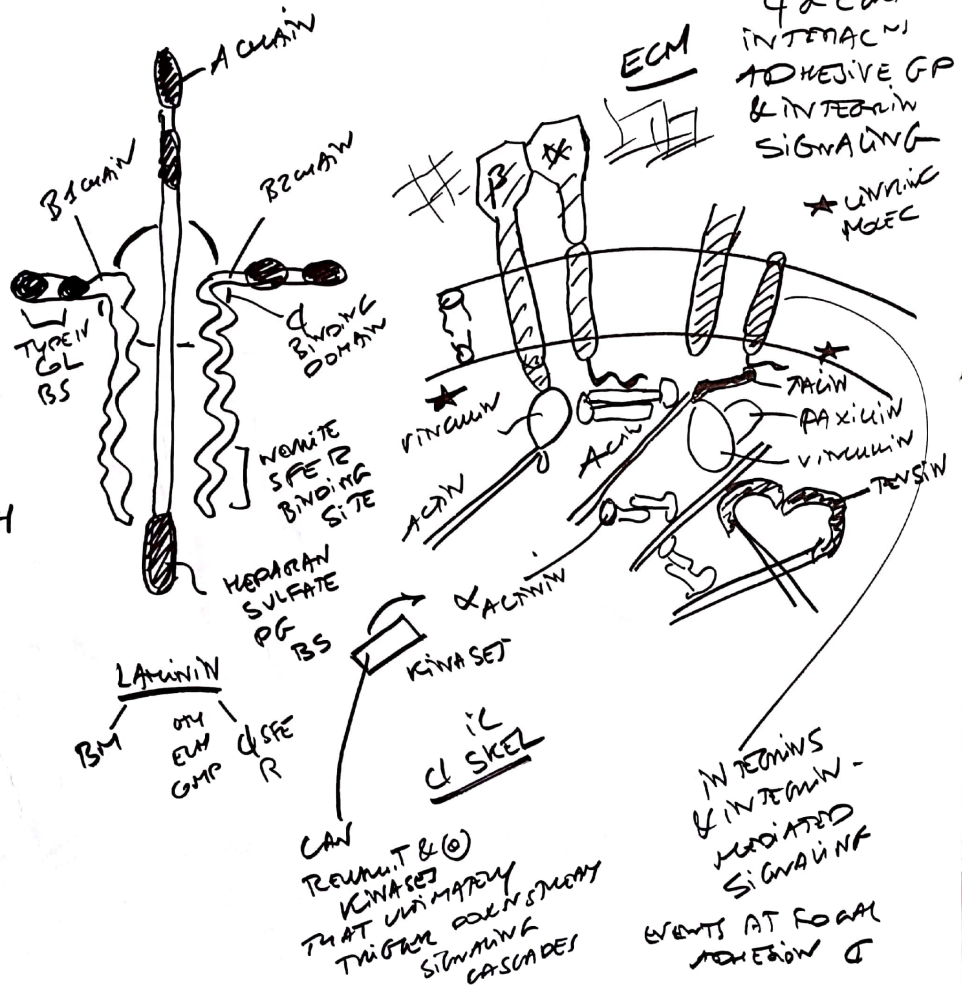
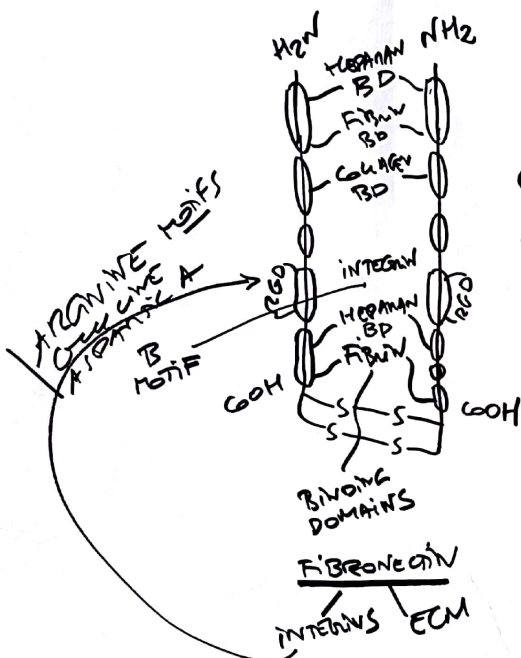


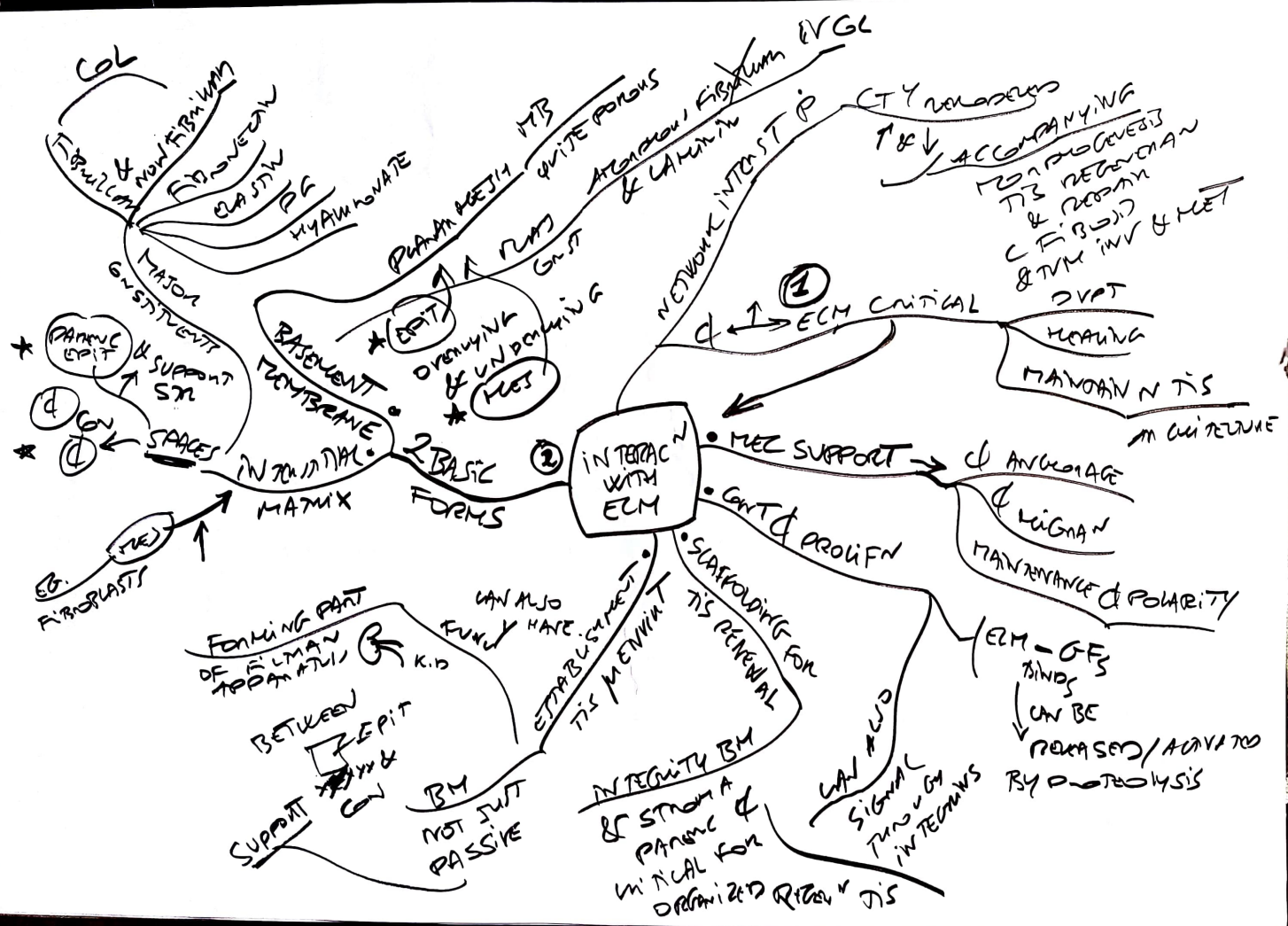
- LAMININ
- IV COL
- PG

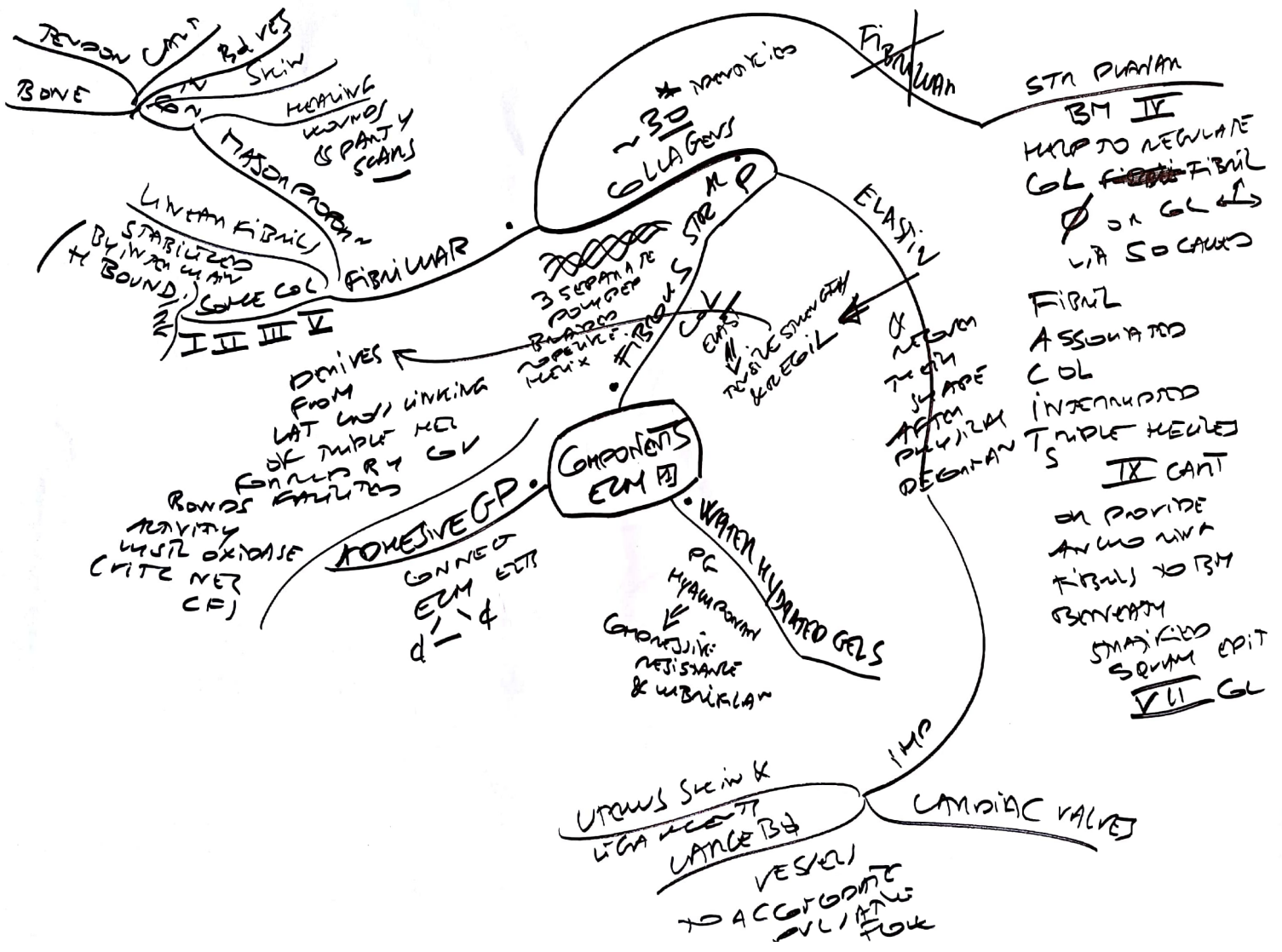
MANY ECM COMPONENTS
ELASTIN
FIBRILLAR
HYALURONAN
SYNOVIAN

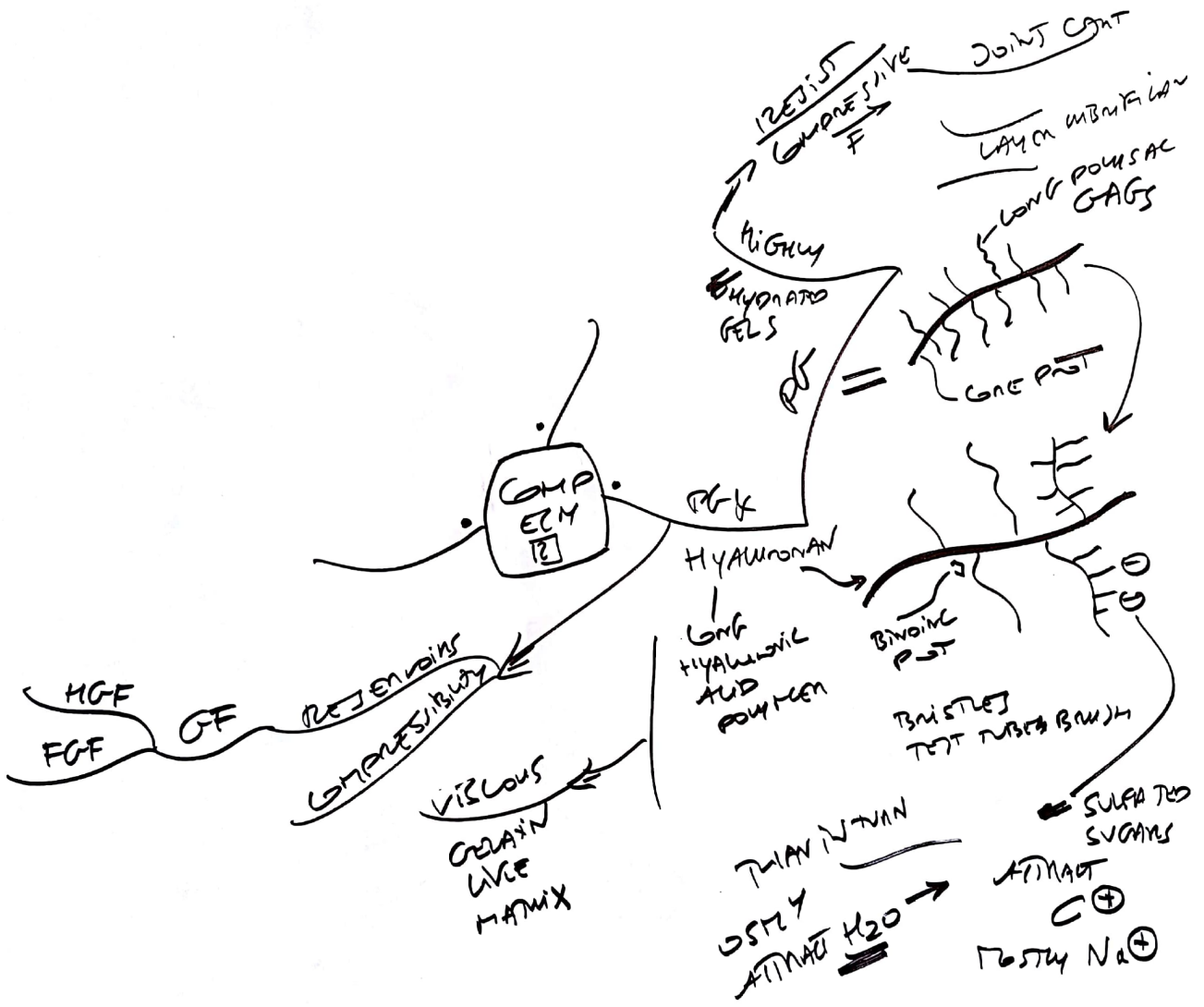
~~INCL~~

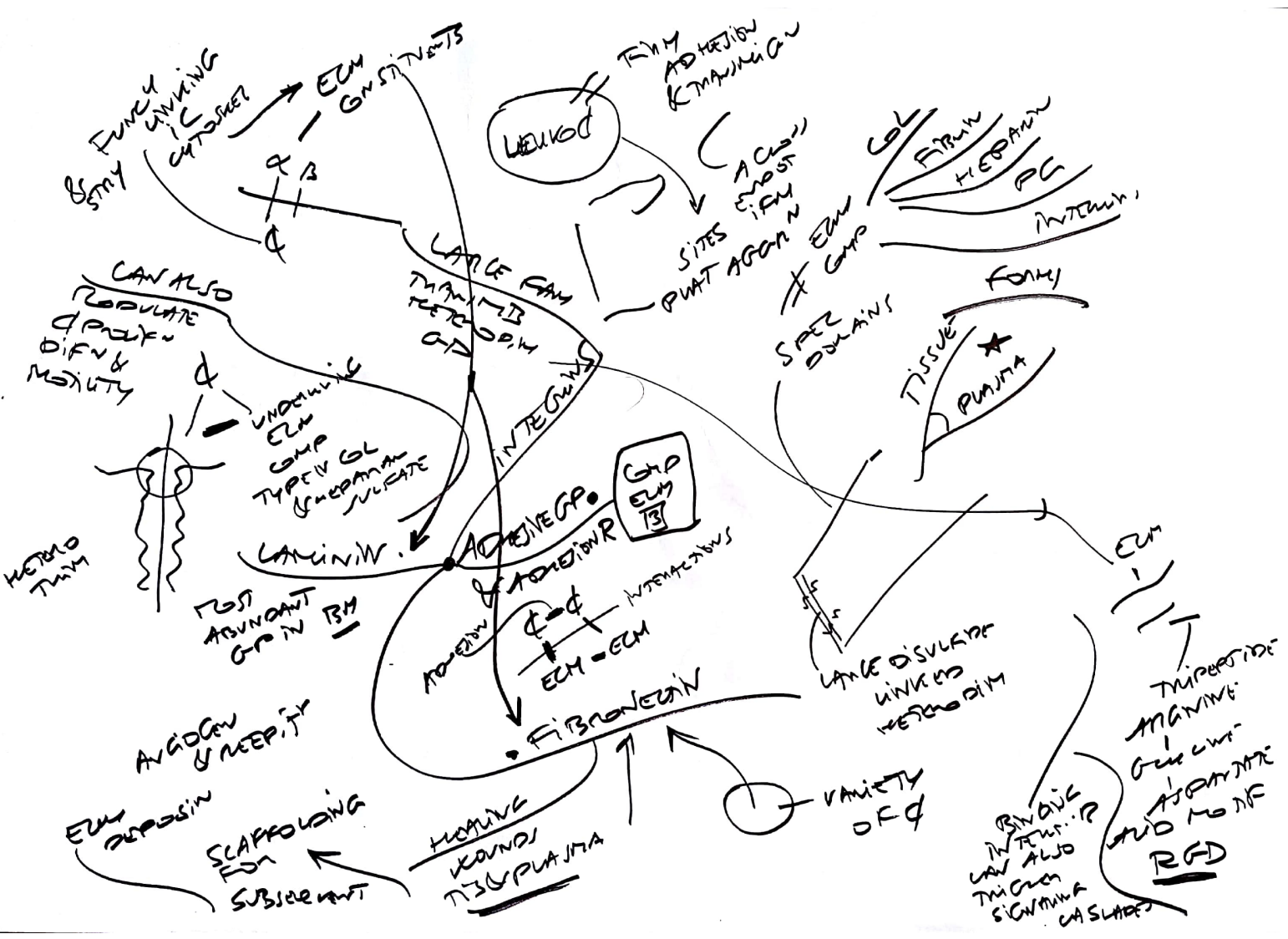
★★
BOTH

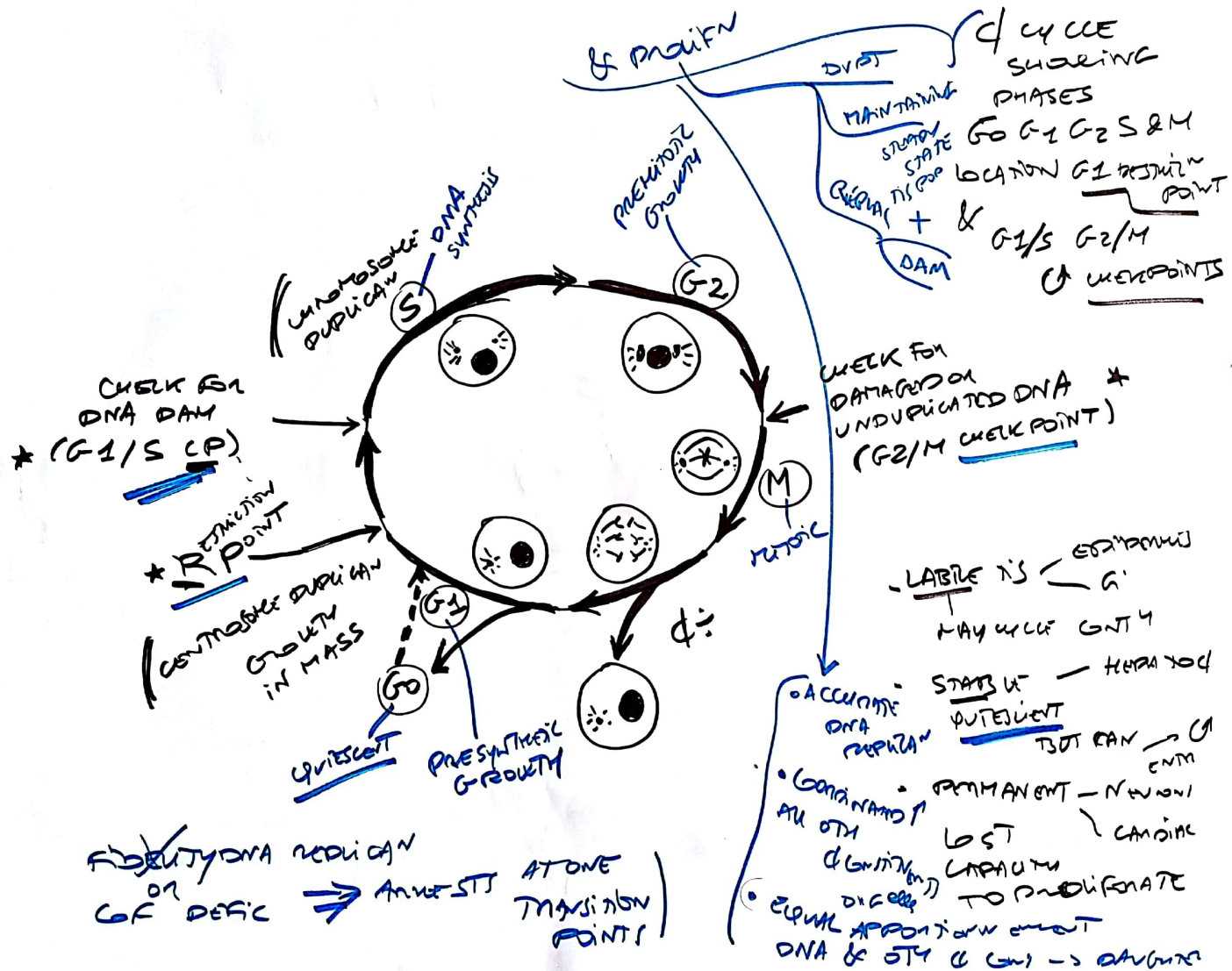


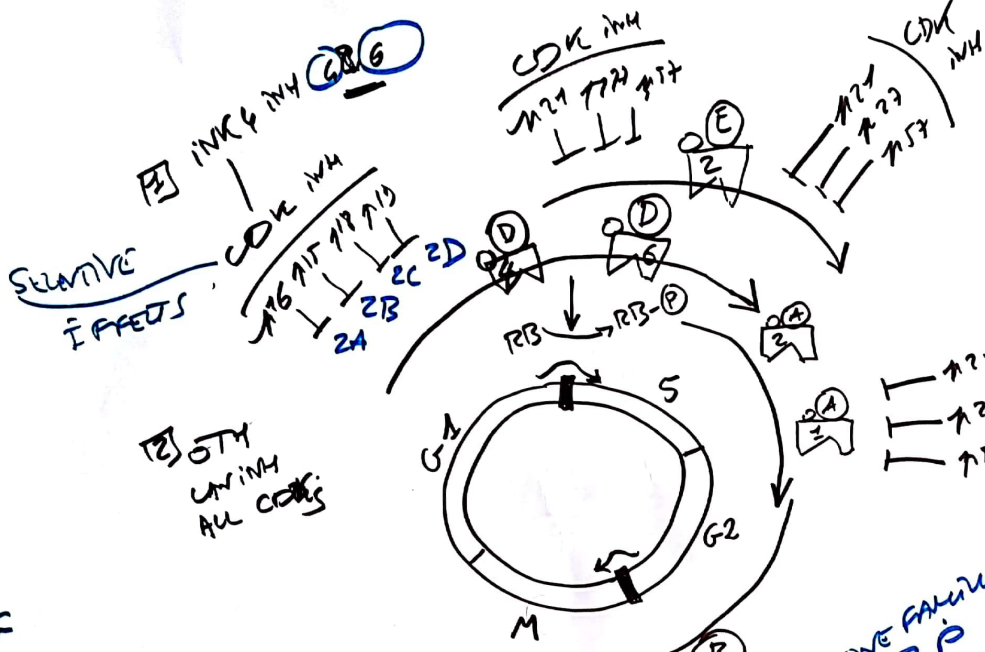




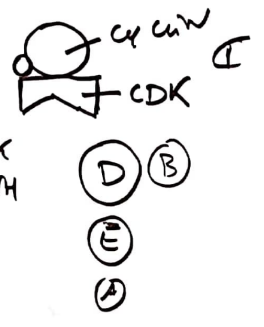








ROLE - CYCLINS
 - CDK &
 - CDK INHIBITORS
 IN REGULATING
 (C)



ENFORCING
 CHECKPOINTS
 JOB FOR CDK INH
 CDKIS

MODULATING
 CDK-CYCLIN COMPLEX
 ACTIVITY

DEFECTIVE CDK1 CHECKPOINT
 ALLOW C + DNA ON TO
 → MUTATED ORIGIN &
 CAPABLE OF DRIVING MAL TUM

BRITANNIA
 MULTIPLE
 CDKs
 ONE FAMILY
 3 P
 CDK INHIBITORS
 B

482
 REGULATING
 G1 → S TRANSITION
 RB P21
 → RB

21 ABOVE
 IN PHASES
 ESSENTIAL FOR G2 → M
 TRANSITION

ADDITIONAL...
10 THROUGH MSS
OR SEVERABLE

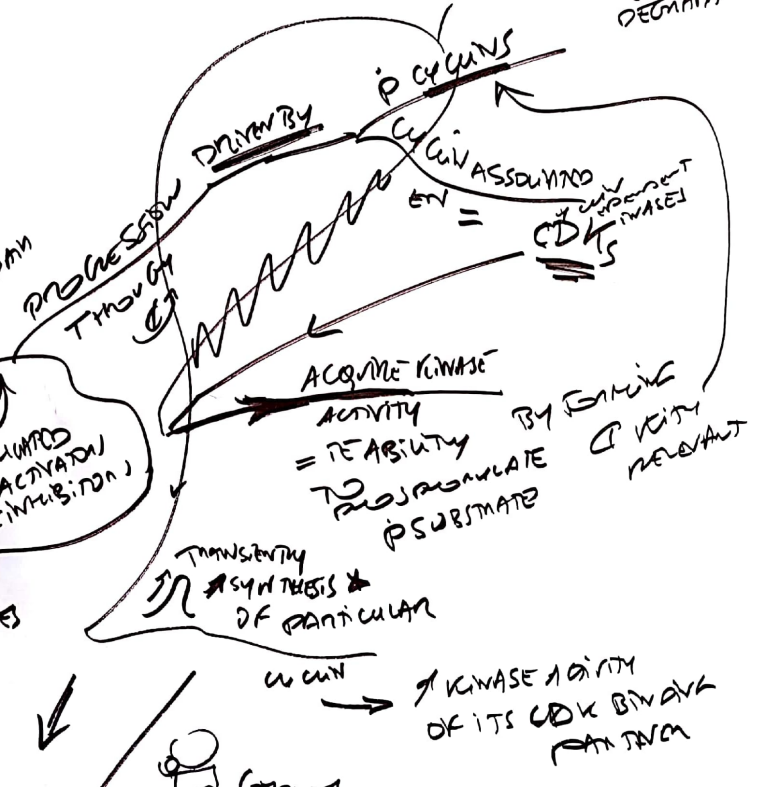
APBP
IF TOO SEVERE

ON SUNET THAT MAY BE A CUMULATIVE EFFECT
G2-M
G1-S
UNITOR DISTRIBUTION BEFORE
BY CONTAINING d RESOURCES FOR DNA REPLICATION
MAKE REPLICAN UNIT POINT

DELAYS (D) PROGM & MUDGUMS DNA REPLICAN
KHOW
REPT IN PERFECT

SURVEILLANCE
MCK ASSESS DNA DAMAGE

REQUIMED BY ACTIVATION & INHIBITION

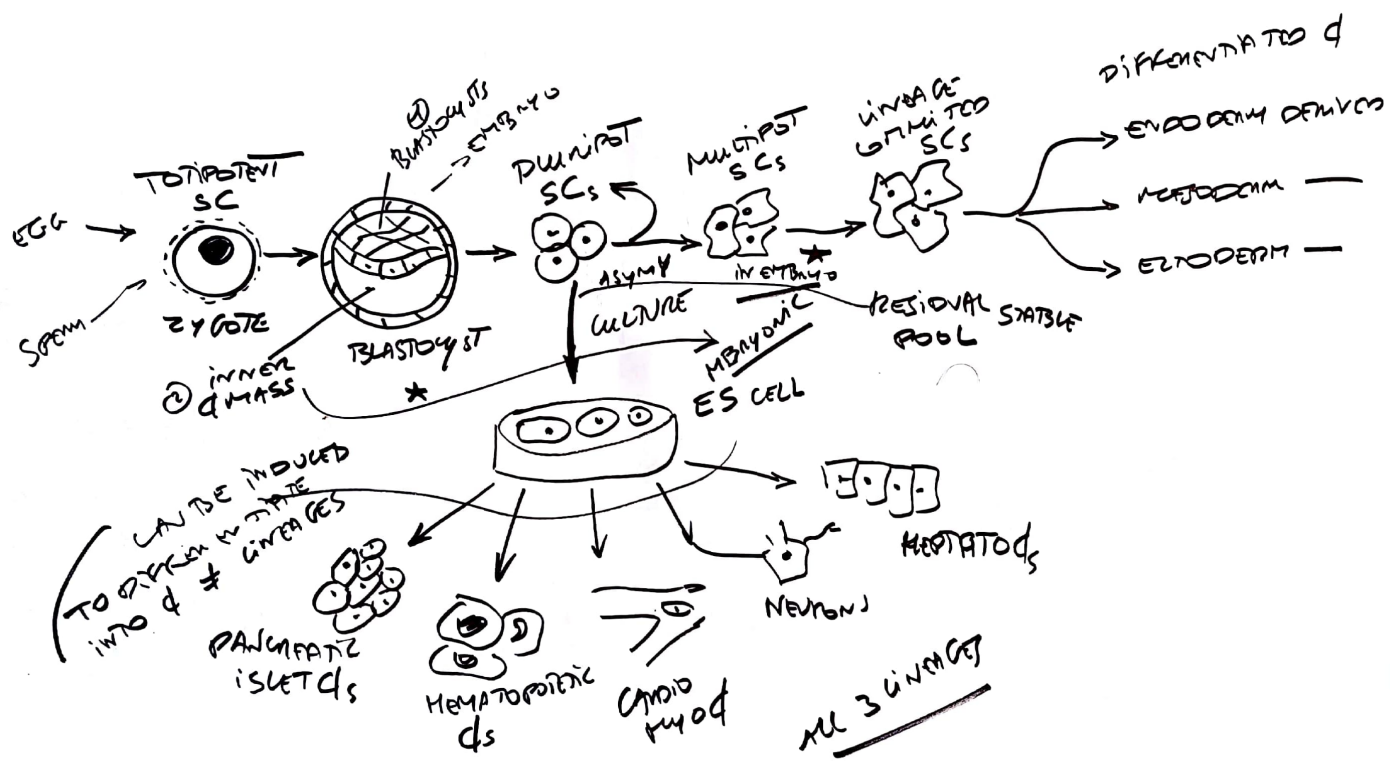


TOO MANY SUBSTRATE BINDING TO ONE OR MORE CDKs

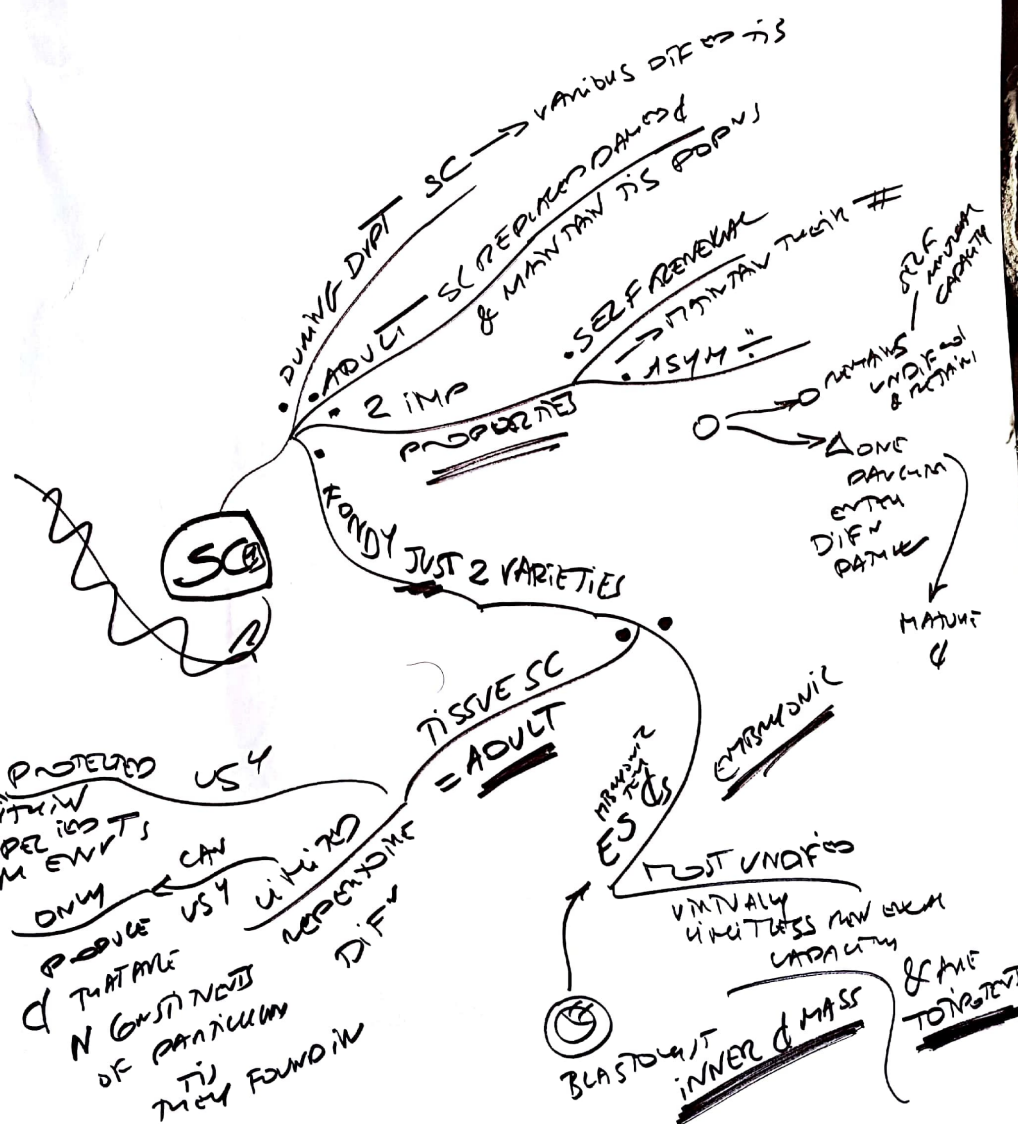
ASSOCIATED CDKs LIKE WAVE
ACTIVITY CYCLIN WAVE FALL

GAINED ITS ROUND OF PHOSPHORYLATION
DEGRADED & ABSENT
KINASE ACTIVITY OF ITS CDK BINDING PARTNER

EMBRYONAL STEM CELLS



DIRM
 EXPAN / UNTIL THROWS
 NEED FOR
 SOURCE FACTOR
 KEEP
 SC
 NICKES =



PROTECTED USY
 KITHIN SPERIODS M EVNTS
 ONLY CAN USE WITHIN
 DEPENDENCE DIFF
 N GASTROINTESTIN
 TJ FOUND IN

BLASTOCYST INNER & MASS
 VIRTUALLY UNLIMITED PROLIF CAPACITY
 TOTIPOTENT

PLST UNDIFF
 MATURE &

