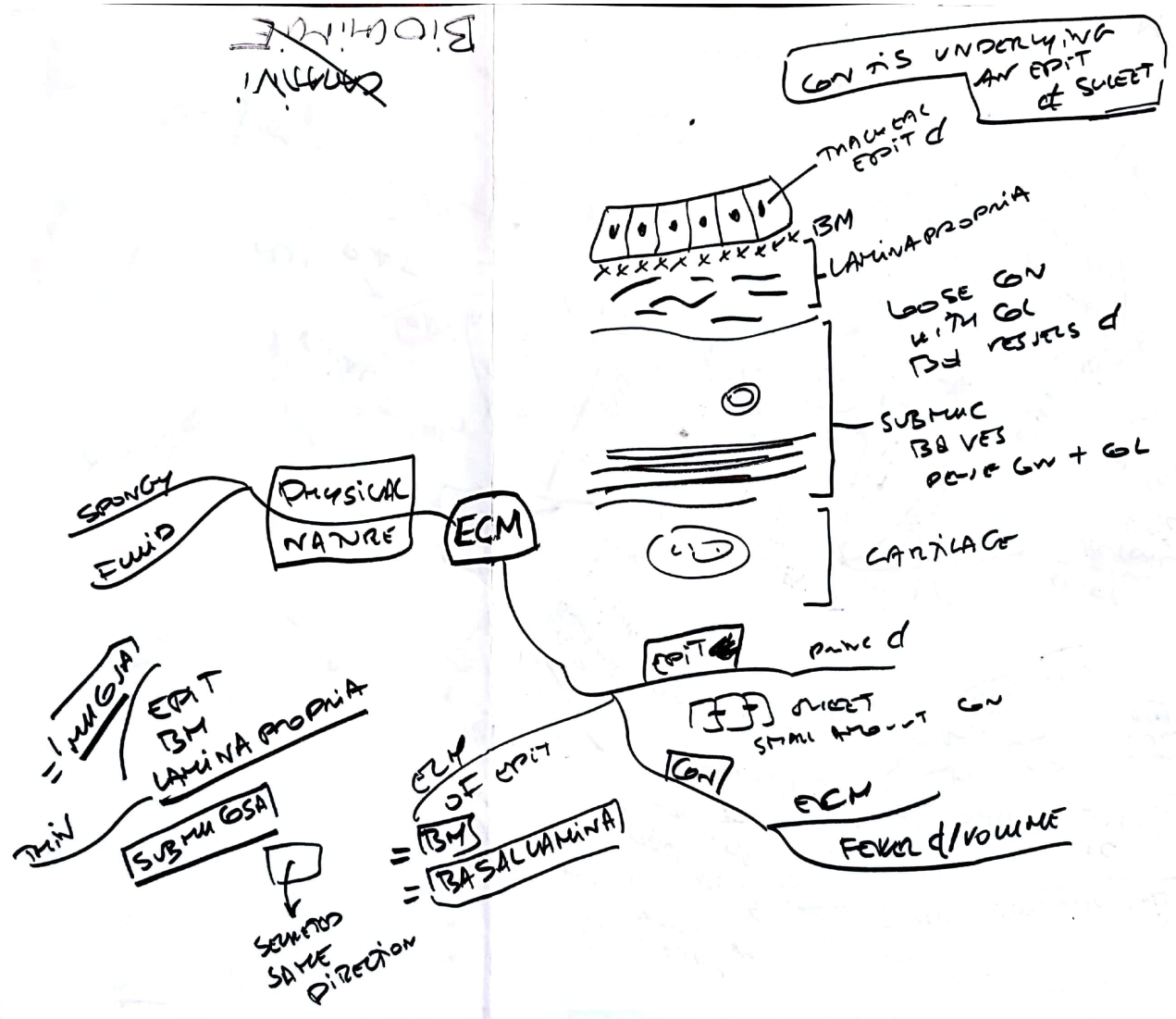
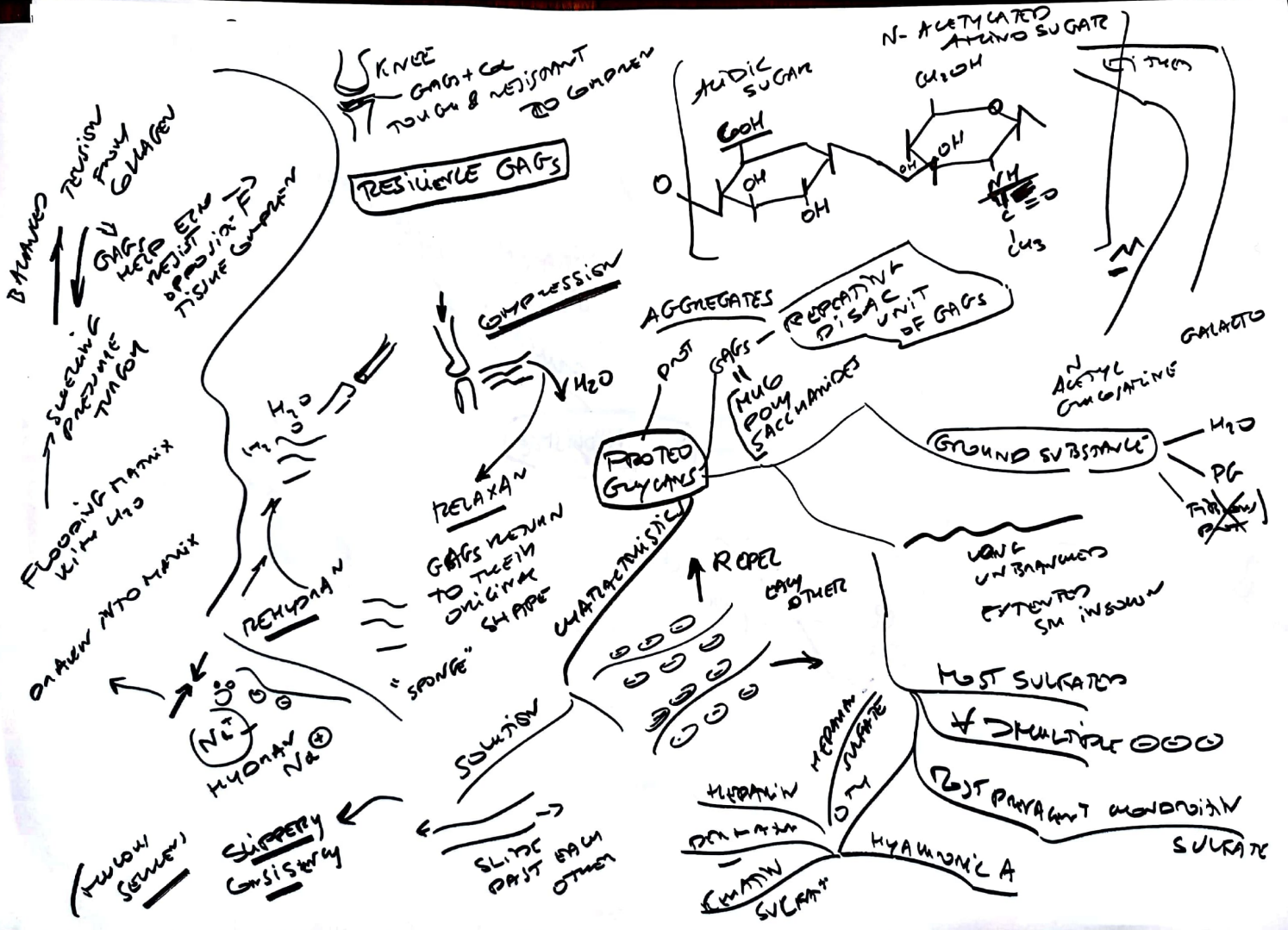
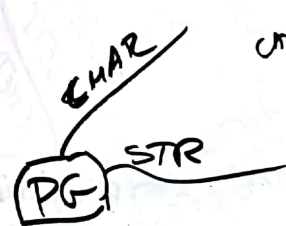
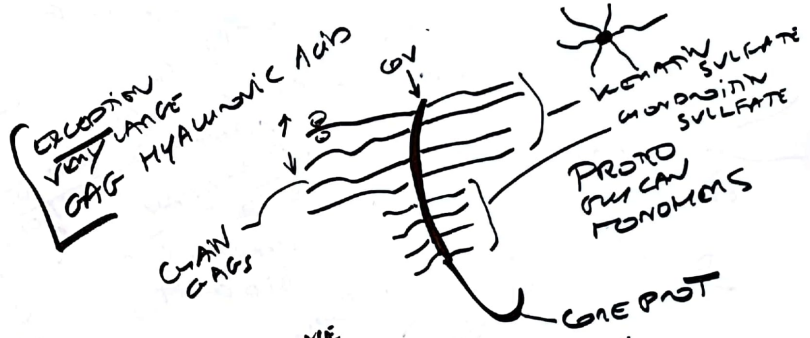


~~BIOCHIMIE~~
~~REACTIV!~~







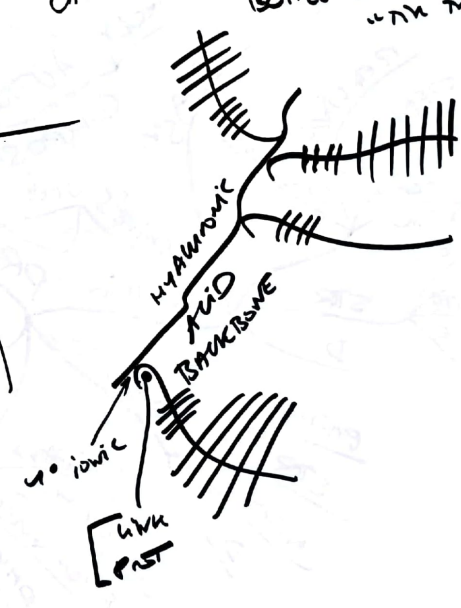
CARILAGE

"BOTTLE BRUSH" "DR TREE"

PROTEOGLYCAN

CARILAGE

PROTEOGLYCAN



DIAMODAN

~~2311~~
CANT

↓ PAIN

↓ DIMENSION

CAN APP
USE GUGAMINI
AS THER
FOR OA

↑
CRYSTALLINE 14

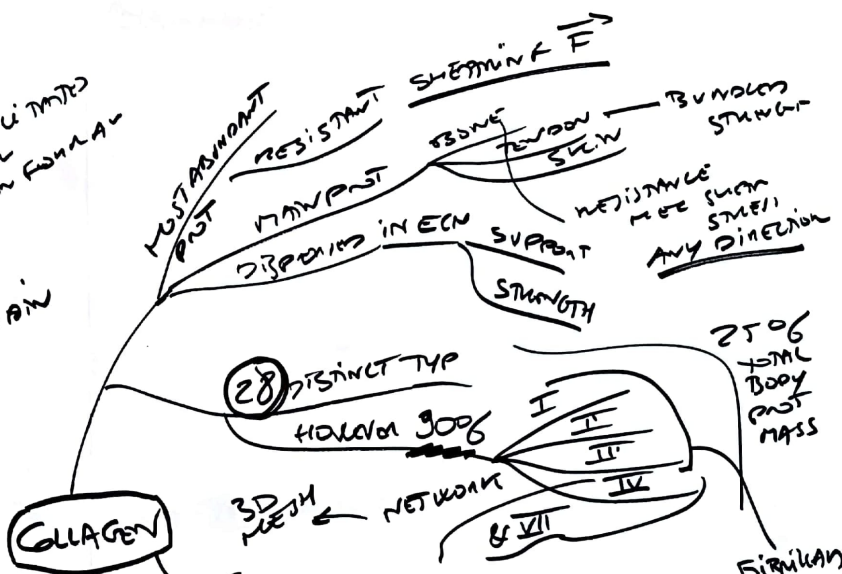
SULFATE NOT THIS CHEMICAL

FIBROUS
PLOT

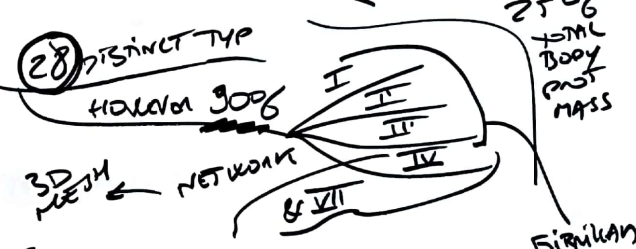
6V
5.4V
3d VES

... AN COMPOSITIONS COLP

- Gly removed
 AA + PAST
 INTERIOR OF X
 SPACE FOR ANY OTHER AA WAN
 CAN PACK TIGHTLY
 - PRO Facilitates
 FORMATION
 MEDICAL CON FORMATION
 RING SM
 → "KINKS" IN
 PRO MAIN



COLLAGEN

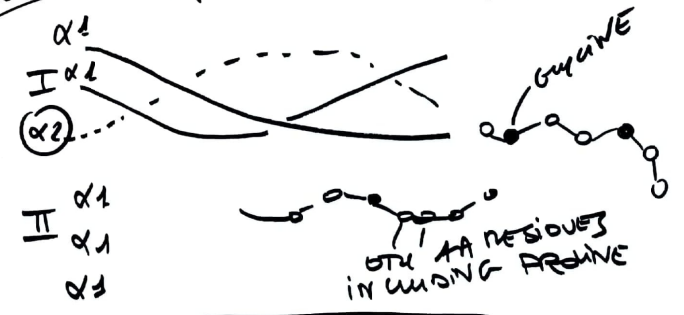


TIGHT
 &
 REPEATING
 UNIT

(KSIWET)
 (PGLIM)

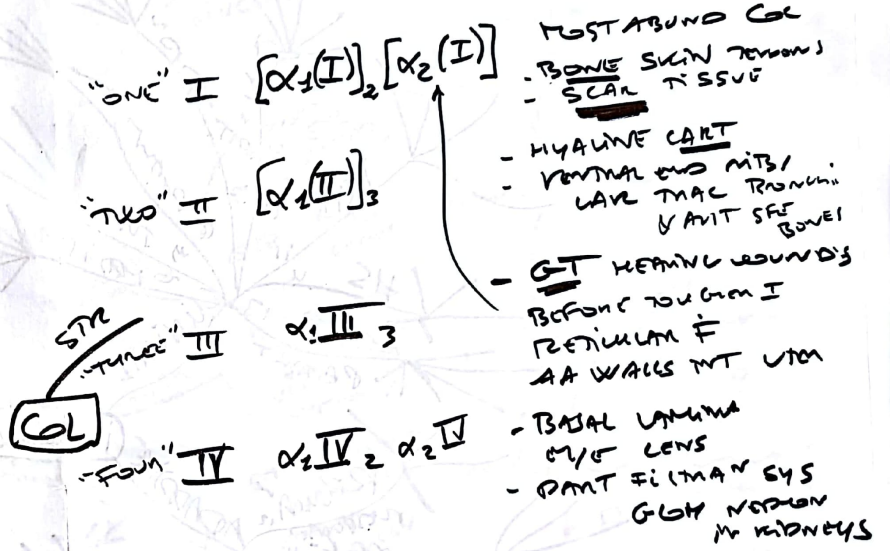
ALSONIC
 PRIMARY AA
 SEQUENCE
 3 MEDICAL
 POPP
 & MAINS
 EVERY THIRD
 IS
 GLUCONE
 DISTINCT
 COMBINATIONS
 ≠ & MAINS

MOLECULE



TRIPLE HELICAL SM

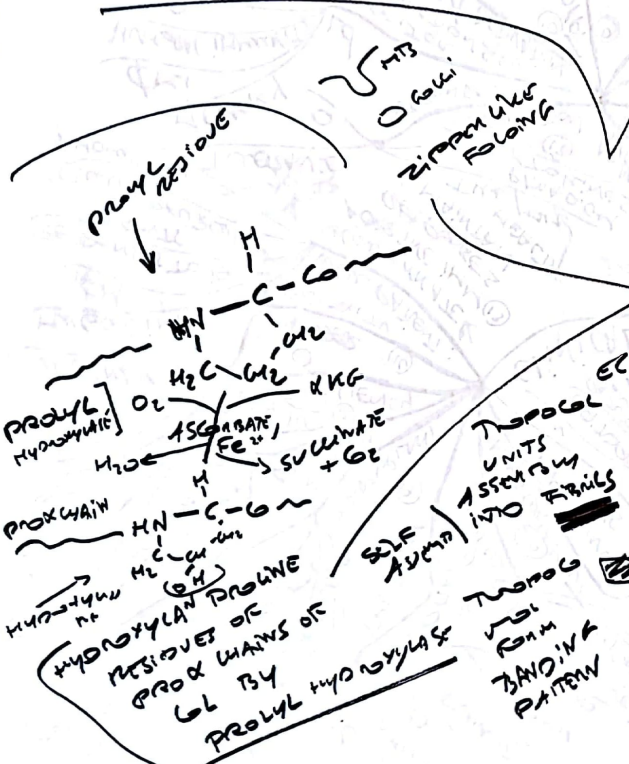
MAIN COMPOSITIONS COLT TYPE?



IMMUNOLOGY

MAIN CROSS LINKS

fibrous
Amy



UNUSUAL SYNTHESIS

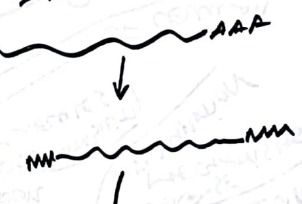
ER SOURCE AND BLEND VITC AND HYDROXYLASE

COL

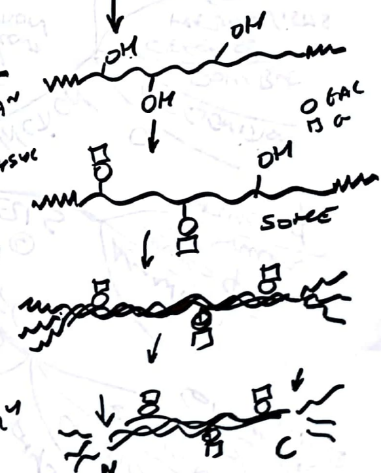
NUC → ER

M RNA

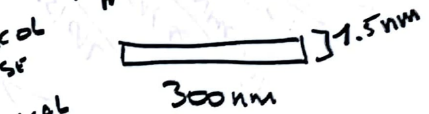
PROX
PROT
TSY ER
ASSOCIATES
RIBOSOMES



ER HYDROXYLASE RESIDUES UNDERGO OXYGENATION



COLG
PROX CHAIN ASSOCIATES INTO TRIPLE HELIX & PACKED IN SELF VESICLE



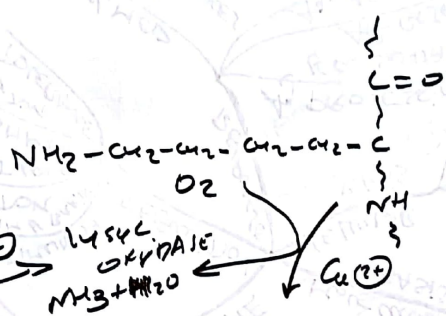
TOPICAL UNITS ASSEMBLY INTO TRIPLE HELIX

SELF ASSEMBLY

TRIPLE HELIX FORMING PATTERNS

EC: PROX COL
UNWIND PEPTIDASE
NON HELICAL
TRIPROCOL

~~TOXIN PLANTS~~
GENUS LATHYRUS
LATHYRIS

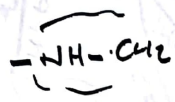


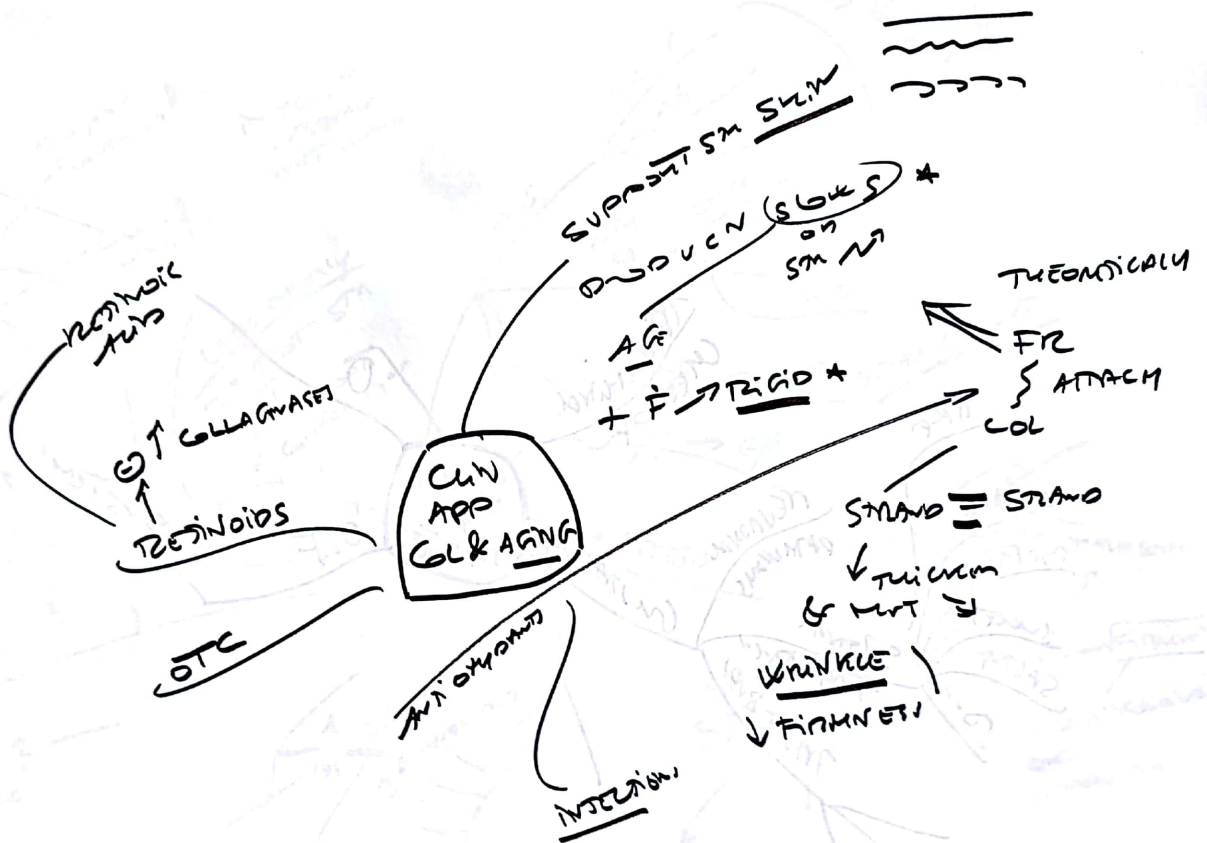
LYSINE OXYDASE
 $\text{NH}_3 + \text{H}_2\text{O}$

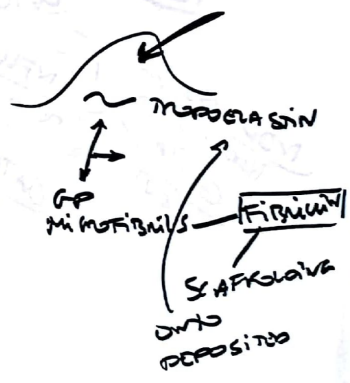
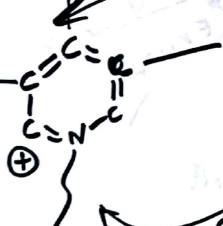
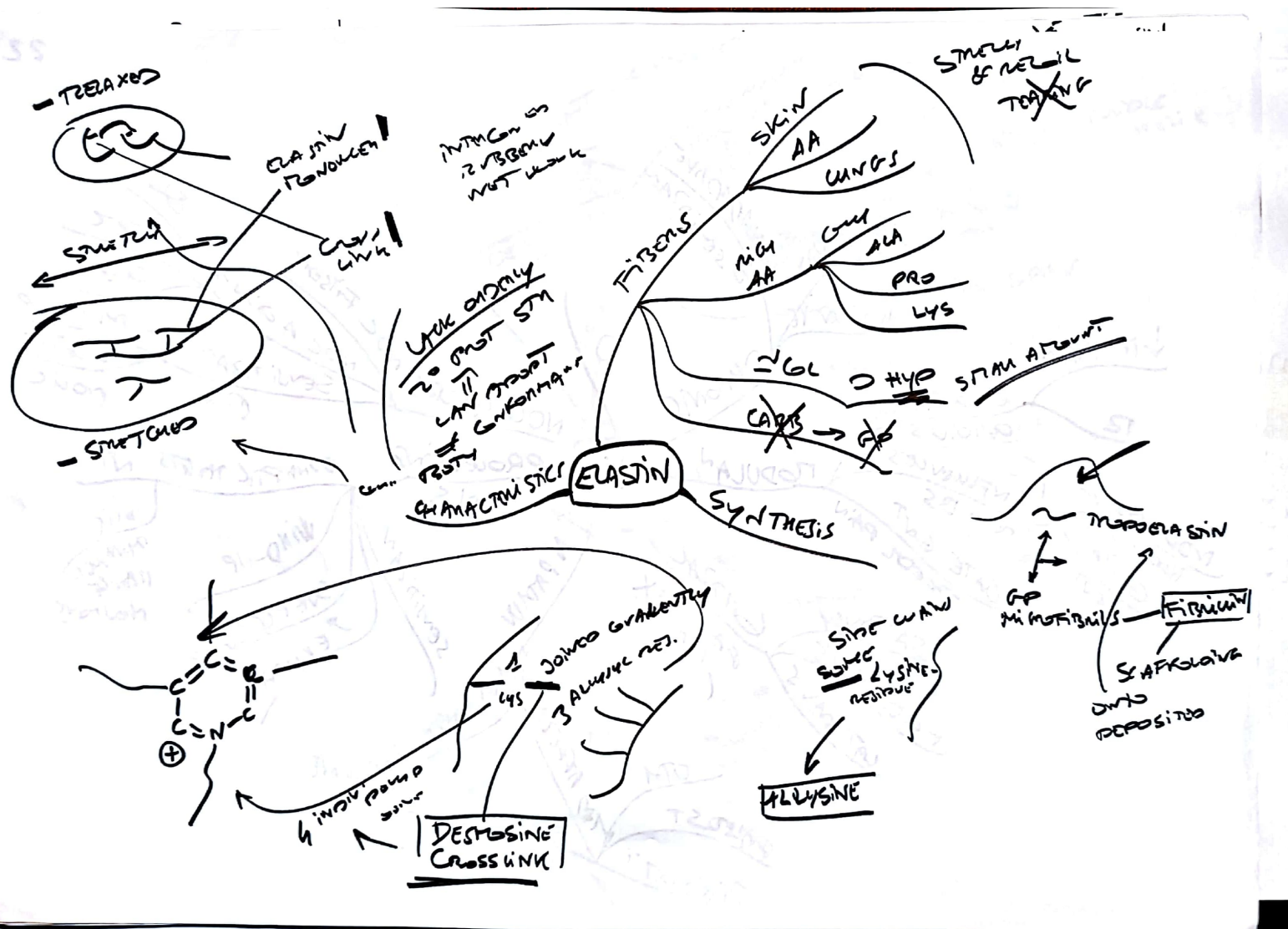
Cu^{2+}

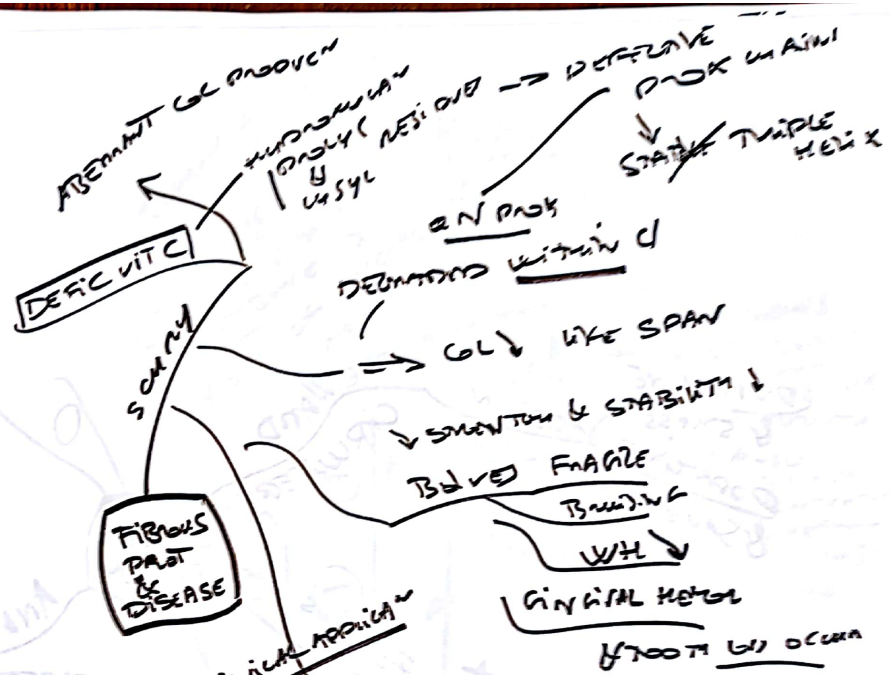
LYSINE RESIDUE

ALUMINE RESIDUE







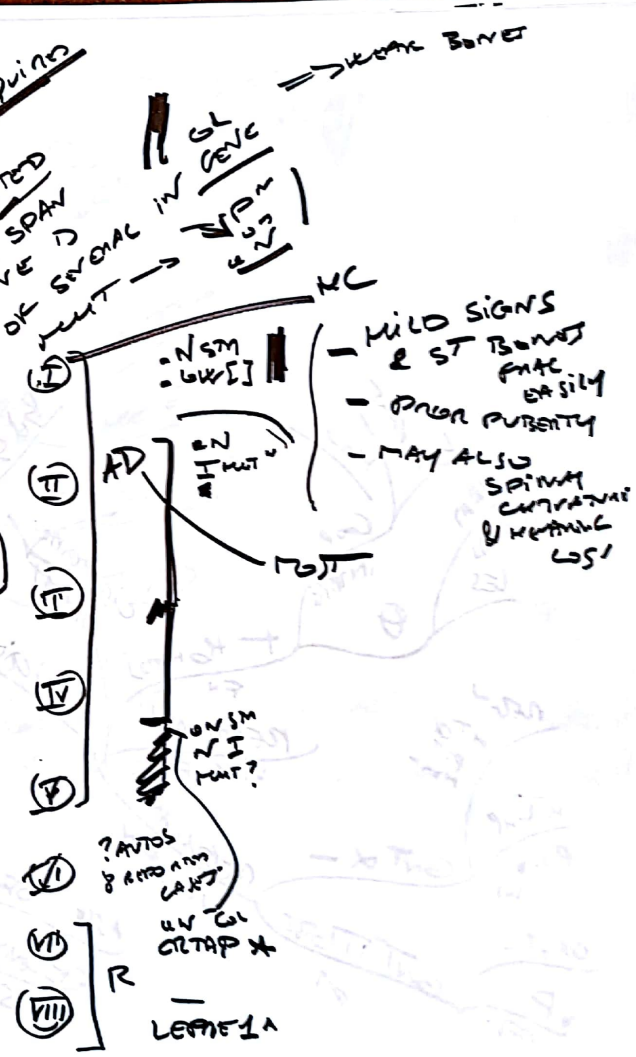


Typical
 Accumulation
 by other
 in situ
 Analyse
 Osmosis

MAY MIMIC OILS AND BONES
BONES

SCANNY ACQUIRING
 INHERITED
 LIFE SPAN
 TRAITOR BONE D
 ANY ONE OF SEVERAL IN
 MUT

OSTEOGENESIS IMPERFECTA



HEMORRHOIDAL
EDS

LOW INHIB

SYM PRODUCTION
PROCESSING

FIBRILIN
GL

6 PRIMARY SUBTYPE

LOOSE JTS RARE

HYPERMOBILITY

MOST AD

GENE RICE
&
LOOSE JOINTS

FRAGILE SKIN
UTB & VES

MARFAN
SD

AD

MUT GNE

FIBRILLIN1

MAINTENANCE OF ELASTIN

KBODY

Aorta on
LIGAMENTS

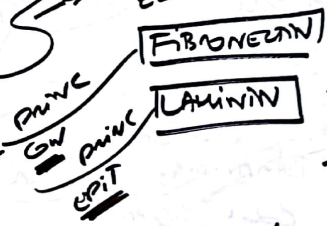
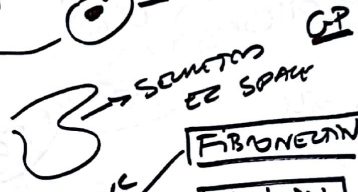
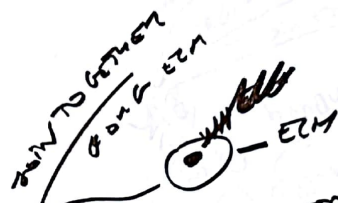
Promotes eye many myopia

LONG LIMBS
— DIGITS
TALL STATURE
OR SCOLIOSIS
OR KYPHOSIS

OR MOBILITY

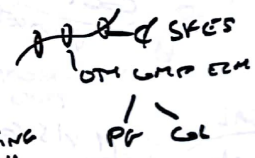
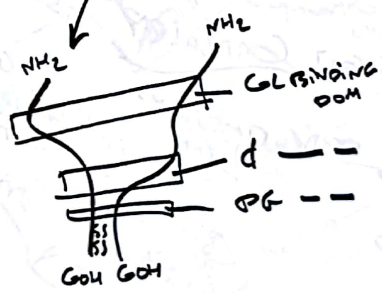
HYPEREXTENSIBILITY — HANDS
— FEET
— ELBOWS
KNEES

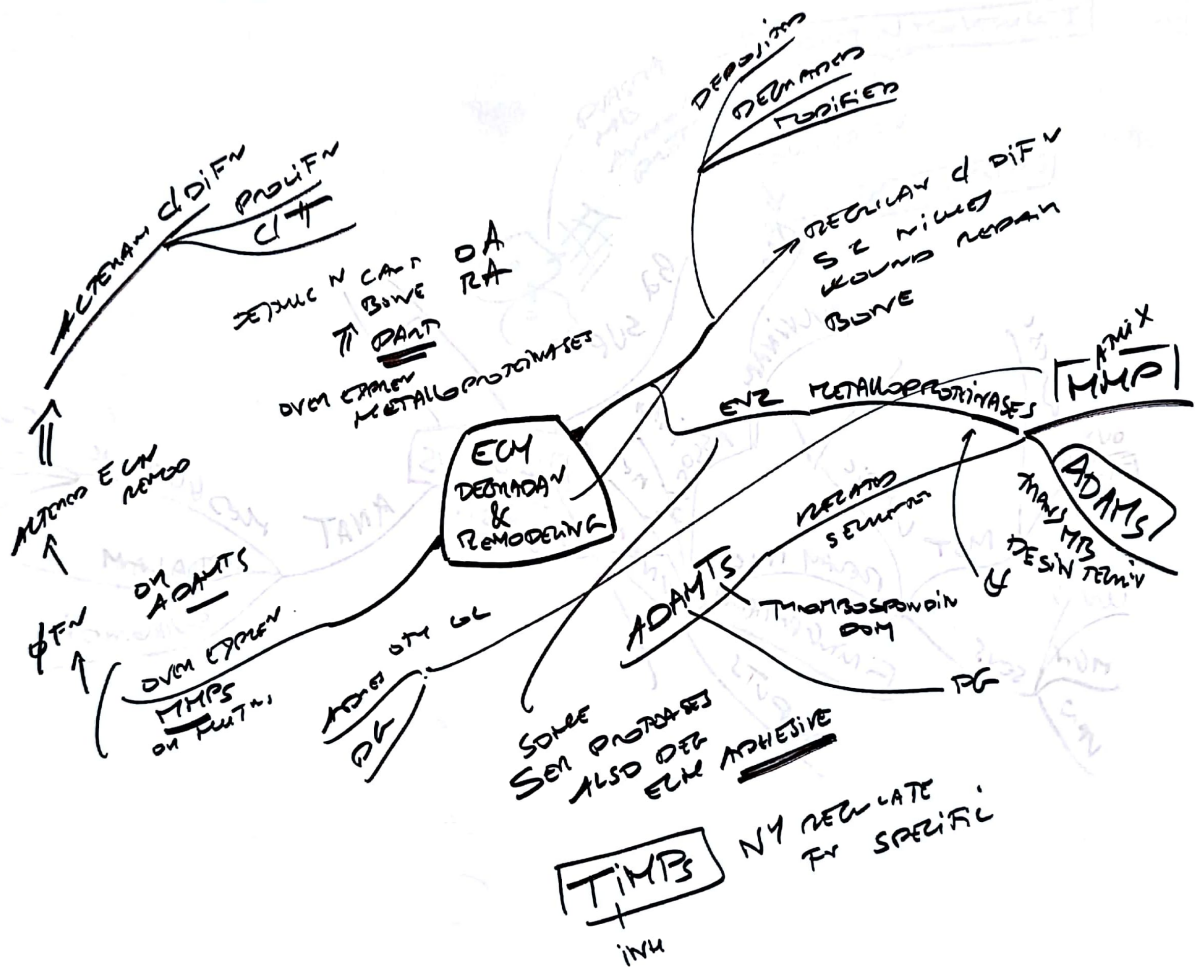
ADHESION PROTEINS



BOTH
MULTIFUNC

3 ≠ CONTAINS







PARASTA MS ANOMEROS PROT

ADHESION MOLECULES

OR
SUGARS

FORM JUNCTIONS

CELL ADHESION

8 SPECIALLY ADHESIVE TO THEM TO POSSIBLY TO OTHER & MY TO ASSEMBLE TISSUES



ONE FOR INVASES

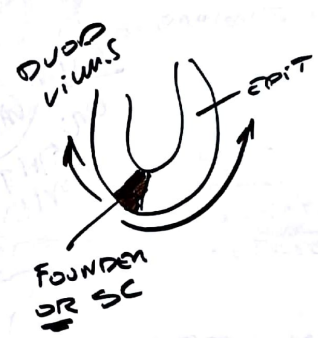
IT'S CHANGING ALSO NEEDS

DIPING TISSUES

MAINLY MOST EPIT



REMAIN ATTACHED TO EMB AND/OR ON D → CL PROTECTION



GOING IN ABCE TO EMB

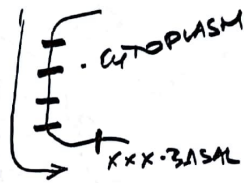
GROUPS OF CELLS (SPECIFIC ADHESION)

NUMBER OF REMAIN ATTACHED & DO NOT TRAVEL ELSEWHERE

SPECIALIZING
CELLS

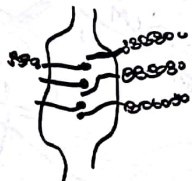
JUNCTIONS

ZONULAR OCCLUDENTES



TIGHT = OCCLUDING
SEALS ADJACENT EDITS TOGETHER
PREVENTS LEAKAGE BETWEEN

ZONULAR ADHERENS



ADHERENS
JOINS ACTIN BUNDLES
BETWEEN

MACULAR ADHERENS



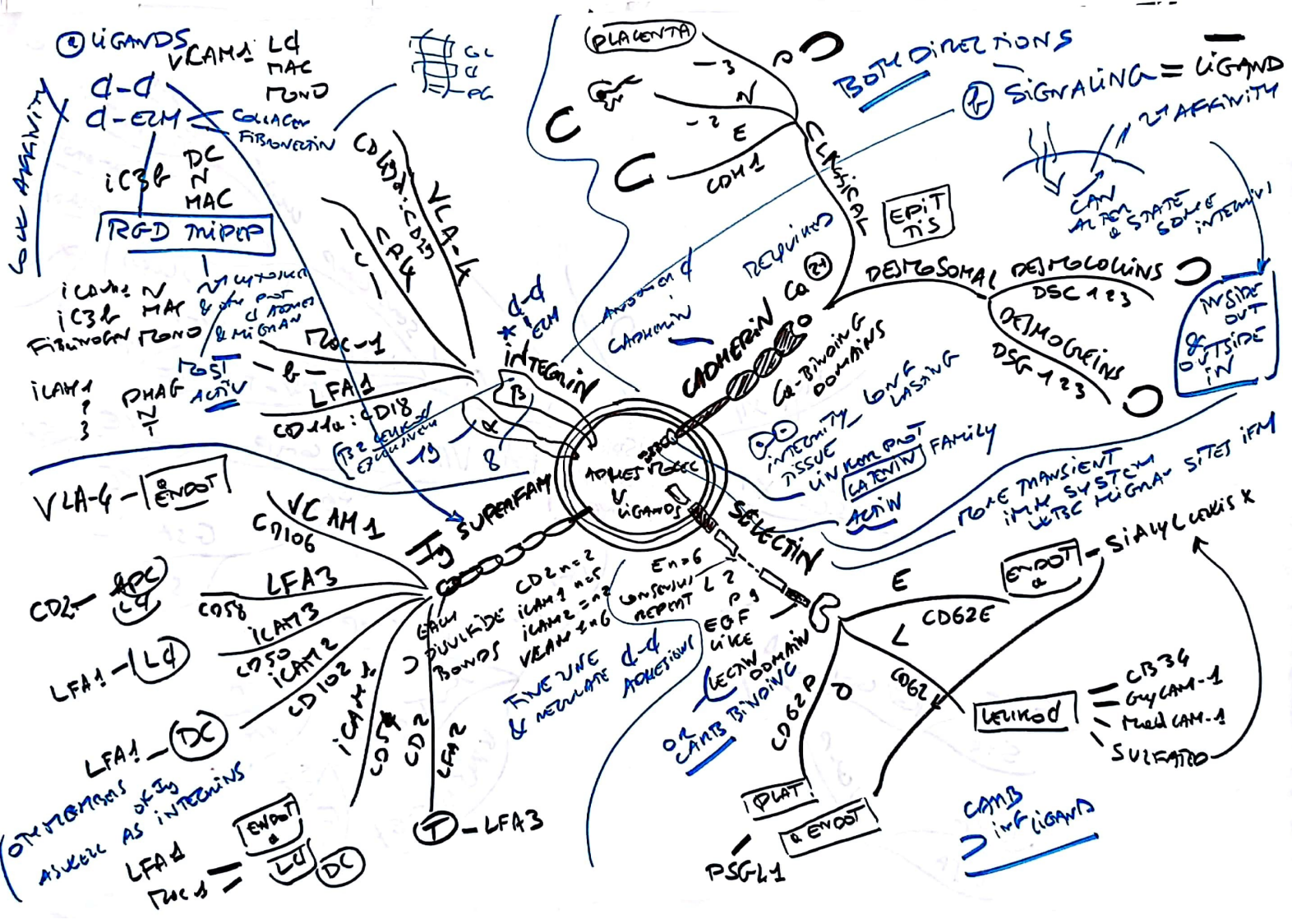
DESMOSES = ANCHORING
ANCHORS IF BETWEEN

NEBUS



GAP ALLOWS PASSAGE
OF SMALL ~~MOLECULES~~ H₂O SOL
MOLEC
BETWEEN

HEMIDESMOSE
ANCHORS IF
TO BASAL LAMINA



ADHESION & DISEASE



