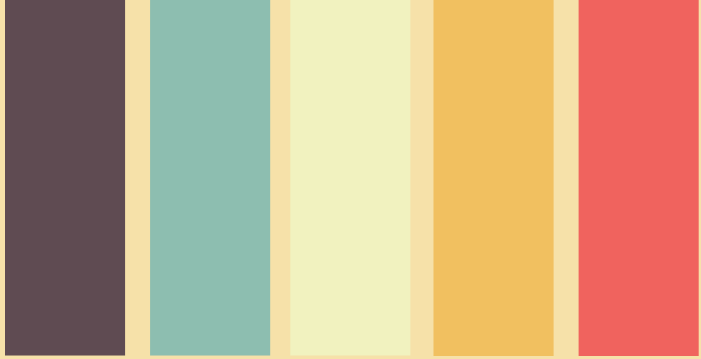
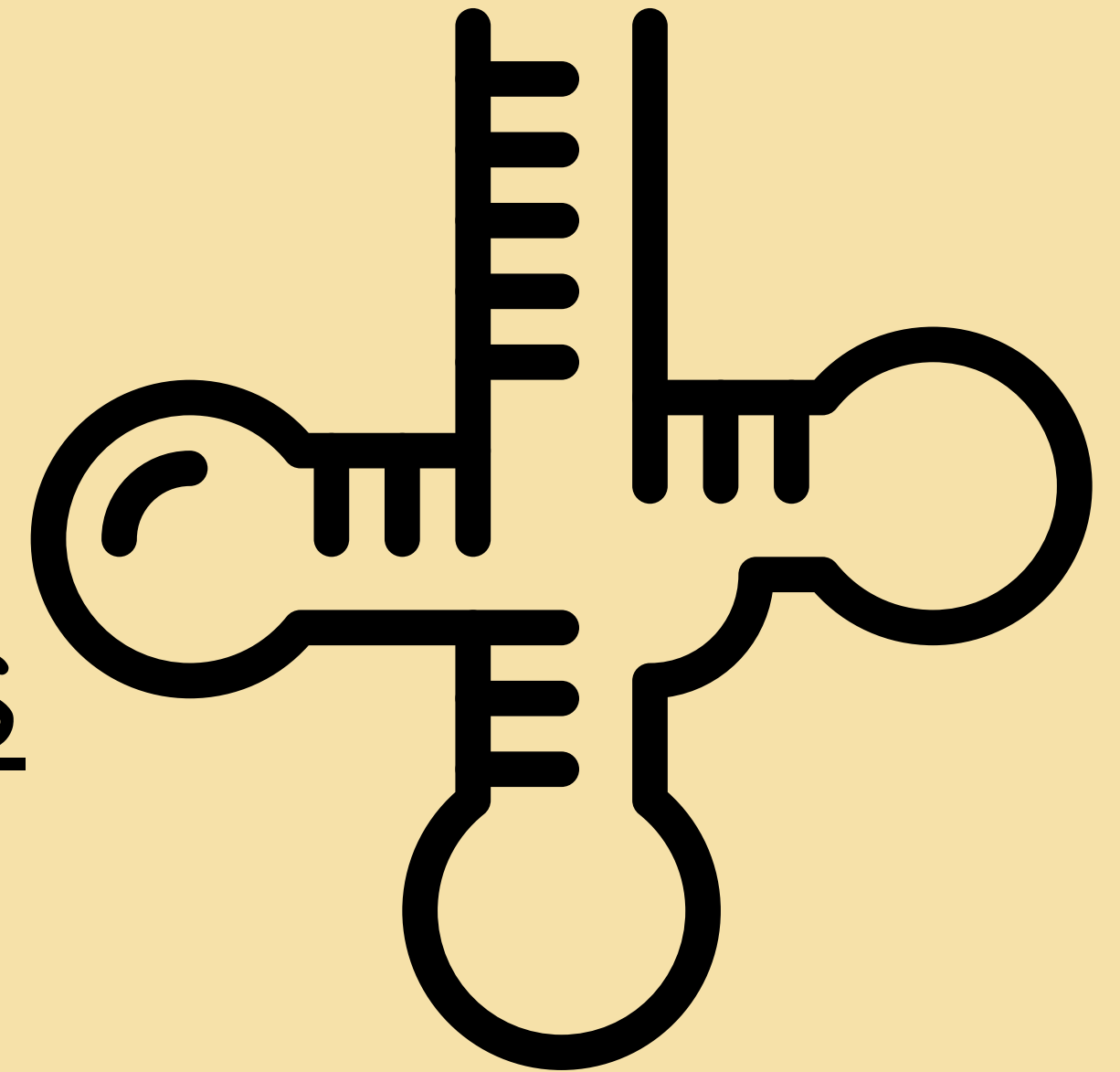




THE tRNA ECOSYSTEM

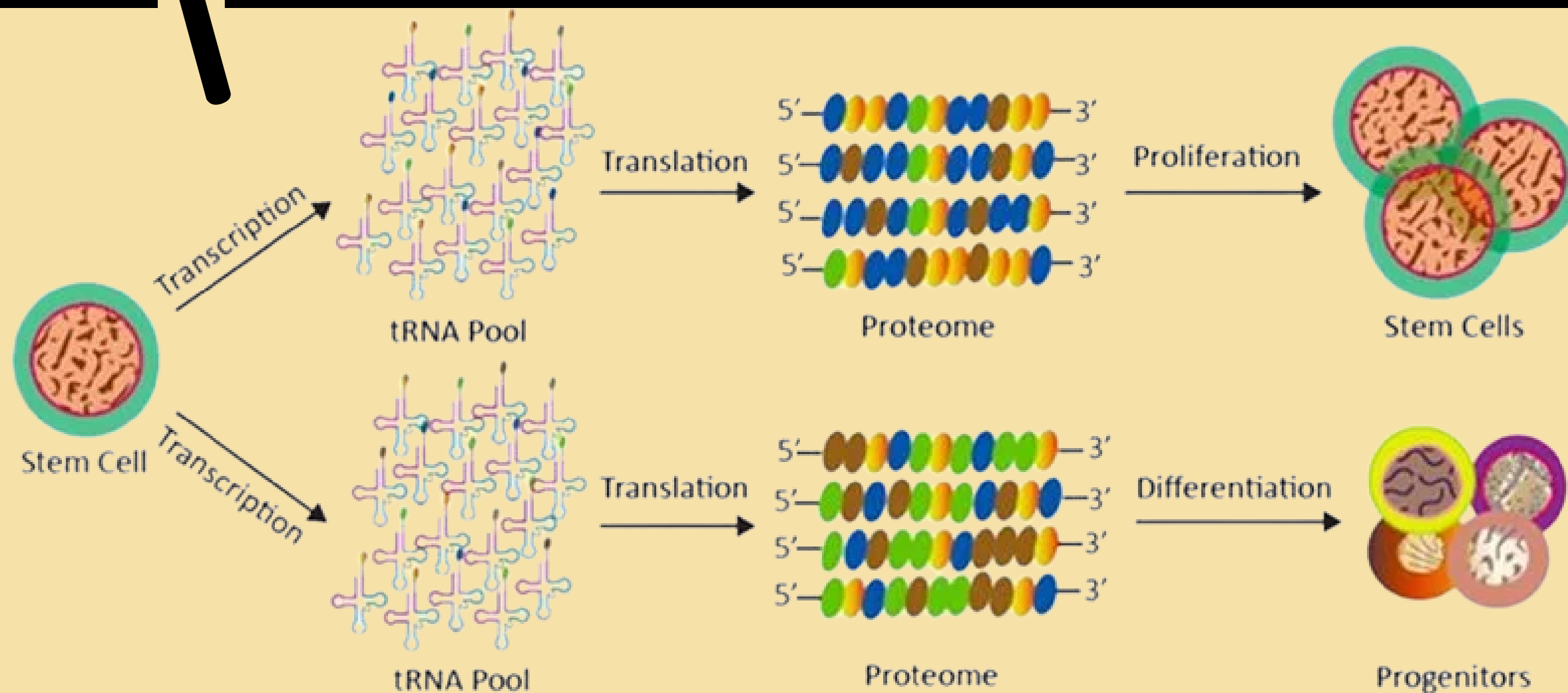
MODIFICATIONS

TRF & TIRNAS



TRANSLATION

TRNA REPERTOIRE



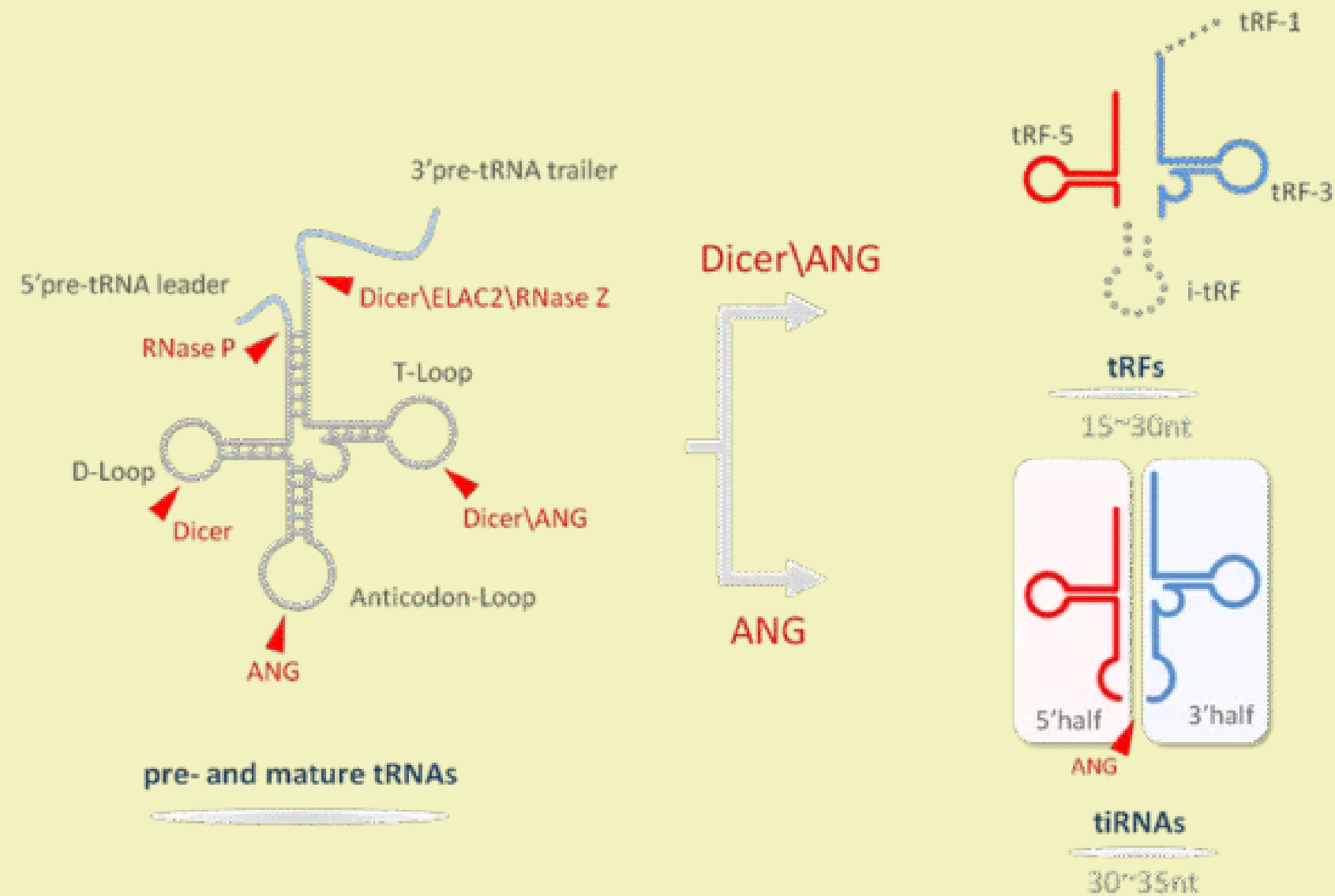
TRNA
SEQ

TRNA
PCR

TRNA
ARRAY

MIM-
TRNA

TRFS & TIRNAS



TRFS & TIRNAS SEQ

TRF & TIRNA PCR ARRAY

MODIFICATIONS

M3C HAC
SEQ

M7G TRAC
SEQ

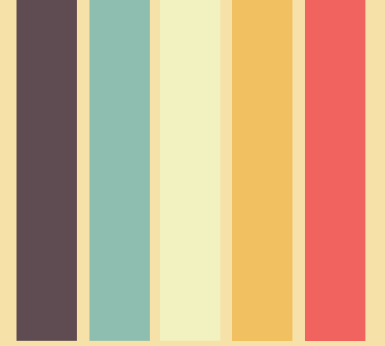
LC MS

SMALL RNA
MODIFICATIONS
ARRAY

8-oxoguanine (o8G), 7-methylguanosine (m7G), N6-methyladenosine (m6A), N1-methyladenosine (m1A), Pseudouridine (Ψ), or 5-methylcytidine (m5C) modification in miRNAs, pre-miRNAs, tRNAs and tRNA-derived small RNAs (tsRNAs, including tRFs and tiRNAs) on a single array

TRNA
MODIFICATION
SEQ

m1A/m3C/m1G/m2,2G



**ADDITIONAL
INFORMATION?** **SCAN HERE**

