**RNA Pol IV and V: evolution and function**

* **How were they discovered -** briefly
* **What are the subunits**
* **What is their function**
  + **Pol IV – make siRNAs**
  + **Pol V – why do we need it ?**
    - **Produce something to base pair with siRNA**
    - **Wierzbicki/ Craig Pickaard --- Cell 2009 --- propose this model**
    - **Thierry Lagrange, Genes&Dev 2016**
  + **Do they interact with each other / have something in common?**
  + **Can they be found in non-plant**
* **Future outlook (?)**