Which career perspectives for young scientists?

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My way…

UNIVERSITY CURSUS

- Master in Pharmaceutical sciences (University of Liege, 1994)
- Advanced Master in Clinical Biology (University of Liege, 1999)
- PhD thesis in Pharmaceutical and Biomedical sciences (University of Liege, 2010)

PROFESSIONNAL CURSUS

- 1999: Clinical Biologist, Hôpital ND des Bruyères
- 2003: “Spécialiste Hospitalier”, CHU de Liège
- 2004: Quality Manager (ISO 17025 & 15189)
- Since 2006: Head of the Endocrinology Laboratory (CHU de Liège) and Master of Conference (University of Liège)

Which career perspectives?

- ***Pre-analytical phase***

  - Role to be played in the rationalization/optimization of the prescription of laboratory tests.

  - Participation in multi-discipline consultations and in clinical staff meetings (Clinical Biologists are not *spontaneously* included → open the door!)

Which career perspectives?

- ***<u>Analytical phase</u>***

  - Keep the expertise in lab analysis!

  - Emergence of new techniques in the routine practice (LC-MSMS, « omics », micro-arrays, POCTs)

  → the Clinical Biologists should not miss these (r)evolutions !!!

Which career perspectives?

- ***Post-analytical phase***

  - Automatisation → data >>>

  - Clinicians have to deal with an increasing number of informations (results from technical exams, increasing weight of the administrative processes,…) → they will more and more have to rely on lab professionnels: new informatic tools for lab results interpretation should be used instead of providing results only.

Which career perspectives?

- ***<u>Scientific career</u>***

  - New biomarkers

  - New techniques

  - Importance of the PhD thesis to combine basic and routine science.

In conclusion…

The future of the young Biologists can be bright, but they will have to take their fate in their hands and to be (pro)active…

Thank you for your attention.