



Asociación Colombiana de Estudiantes de  
Química Farmacéutica

# **¿What about pharmacy education in Colombia?**

**By: Alvaro León Torres**

# Pharmacy formation in COL

**1 Semester  
The basics**

**2 Semester  
Chemistry**

**3 Semester  
Anatomy**

**3 semesters of Basic Health Area Formation**

**4 Semester  
Synthesis**

**5 Semester  
Phytochemistry**

**2 Semester of  
New Drug Research**

**6 Semester  
Solids**

**7 Semester  
Liq-Sterile**

**2 Semester of  
Pharmaceutical Technol.**

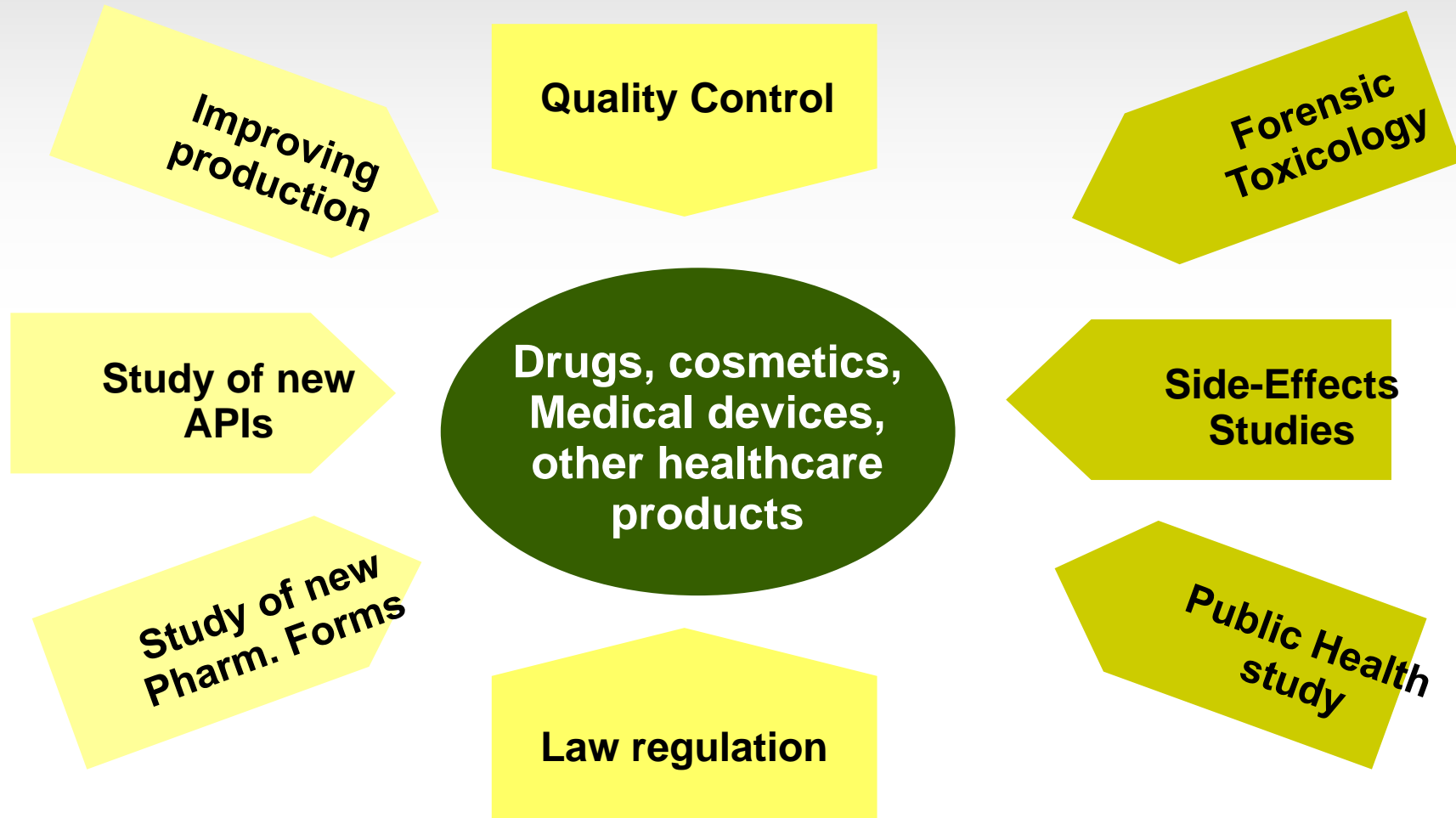
**8 Semester  
Pub. Health**

**9 Semester  
Clinic / Adm**

**2 Semester of  
Clinical Skills/Business**

**Last semester  
PRACTICES/THESIS  
Is your choice**

# So, Where's a Pharmacist?



# Not Allowed Practices

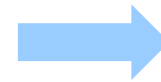
## PATIENT COUNSELING

Healthy Living Practices  
Stop some bad practices  
Disease Control practices



**Needs Medical  
Approval & Supervision**

## DRUG PRESCRIPTION /CHANGES



**Not Only Illegal  
It's a Crime**

## Proposal of new Laws



**Needs Politician  
Approval & Supervision**

# Not YET possible practices

**TISSUE ENGINEERING  
AND REGENERATIVE MEDICINE**

Yet in Research  
Dr. Martha Fontanilla  
U.N.

**API PRODUCTION AND  
STUDIES**

Yet in Research  
Dr. Constaín Salamanca  
ICESI

**NEW DELIVERING PATHWAYS AND  
PHARMACEUTICAL FORMS**

Yet in Research  
Dr. Constaín Salamanca  
ICESI

**CLINIC SKILLS AND TRYING TO  
CHANGE THE LAW**

Yet in Planning  
Dr. Pedro Amariles  
Universidad de Antioquia

## What we need

**To start Listening to the Young  
People**

**To perform several changes to  
the Colombian Pharmacists  
Law**

**Muchas gracias**