Dina Omar Mahmoud Helal

PERSONAL INFORMATION

Date of birth	2/4/1985
Nationality	Egyptian
e-mail address	Dou_dina24@hotmail.com
Mobile number	002 01005331773
Address	34, Dr. Hassan Ibrahim st. of Makram Ebeid , Nasr City, Cairo ,Egypt

EDUCATION

2015	Master thesis, faculty of pharmacy, Ain Shams University Thesis title: Optimization of anti-infective multiparticulate system for pulmonary delivery
2007	Bachelor of pharmaceutical sciences, faculty of pharmacy, Ain Shams University, Cairo, Egypt

RESEARCH EXPERIENCE

- Preparation of PLGA nanoparticles with associated characterization such as particle size, zeta potential and entrapment efficiency.
- Use of spray drier and twin stage impinge.
- Preparation of solid lipid nanoparticles and lipid nanocapsules.

CURRENT RESEARCH INTEREST

-Fabrication of lipidic nanocarriers for brain tumor targeting.

ACADEMIC QUALIFICATIONS

2008 – 2015 (Teaching assistant) Faculty of Pharmacy, Ain Shams University **2015-present (Assistant lecturer)** Faculty of Pharmacy, Ain Shams University	• Instructed and assessed students in different practical courses - Liquid, semisolid and solid dosage forms - Physical pharmacy - Reaction kinetics - Biopharmaceutics - Sterile dosage forms - Pharmacy Practice - Dosage form design • Conducted seminars about - Use of gold nanoparticles in diagnosis and treatment of cancer - Chronobiology and the design of suitable dosage forms - Trans-follicular drug delivery - Self-folding polymeric containers for encapsulation and drug delivery

RELEVANT RESEARCH PUBLICATIONS

1- Dry powders based on PLGA nanoparticles for pulmonary delivery of antibiotics: Modulation of encapsulation efficiency, release rate and lung deposition pattern by hydrophilic polymers. Ungaro et al./ Journal of Controlled Release, 157,1, (2012) 149-159

2- Active targeting of brain tumors using nanocarriers. Benoit et al./Biomaterials 28 (2007) 4947–4967.