

# CURRICULUM-VITAE

## Kheir Eddine KERBOUA, Pharm.D.

### **JULY 2017 – PRESENT**

Head of Clinical Immunology Laboratory  
Immunology Unit, Military University Hospital, HMRUO-Ouargla, Algeria  
Senior Lecturer in Immunology  
Department of Medicine, Ouargla Faculty of Medicine

### **JULY 2013 – JULY 2017**

Teaching and Research Assistant  
Immunology Unit, Military University Hospital, HMRUO-Oran, Algeria  
Lecturer in Immunology  
Department of Pharmacy & Department of Medicine, Oran Faculty of Medicine

### **JANUARY 2016 – JULY 2017**

Senior Lecturer in Immunology  
Department of Dental Medicine, Oran Faculty of Medicine



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Date of birth: **May 05, 1985**

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**Scientific accounts:** Researchgate, Slide share and Google Scholar

**Twitter:**@KEKerboua, **Facebook:** Kheir Eddine Kerboua

**Research Interests:** Complement system and Oxidative stress in human pathology.

**Society Membership:** American Association of Immunologists, Clinical Society of Immunology, International Society of Complement

## EDUCATION

### **Pharm.D. (Clinical Immunology Laboratory)**

UNIVERSITY OF ALGIERS "1" Youcef BENKHADDA,

Algeria 2002-09 to 2013-04-01

WORL EDUCATION SERVICE (WES)

Reference for USA credential evaluation #: **2725963**

ALGIERS FACULTY OF MEDICINE: Diploma of Specialized Medical Studies: **DEMS in Clinical Immunology**  
September 2008- July 2013

Clinical research fellowship

Algiers University Hospitals (1 year)

Residency in Clinical Immunology Laboratory

Algiers Pasteur Institute (4 years)

Dissertation: Immunological profile of systemic lupus erythematosus patients from Algiers prefectures

Thesis advisors: Prof. Kamel DJENNOUHAT and Prof. Samia MAAZOUZI-CHAIB

DEPARTMENT OF PHARMACY, Algiers Faculty of Medicine: *Diploma of Pharmacist, Sept 2002-July 2007*

HIGH SCHOOL, *Bachelor (Baccalaureate) in Nature and Life Sciences, September 1998- July 2002*

ALGIERS PASTEUR INSTITUTE, *Medical Statistics* (6 Months),  
Certificate of Applied Statistical Studies for Medicine *CESAM, 2012*

EDUDZ. SOFEDUC, Canada

Certificate in Medical Education, *September 2016*

PROF. KALLEL SELLAMI M.LABORATORY OF COMPLEMENT

Practical training in a foreign laboratory of Complement, *Tunisia 2016*

Faculty of Medicine of Oran

CEBIO (Cours d'épidémiologie et de biostatistique) *May 2017*

## RECENT ACTIVITIES

*Head Scientist of a Military Research Project "Oxidative stress and degenerative diseases in military environment"* *Ministry of Defense, Algeria 2017*

*Scientific Adviser at the Department of Research Projects, (National Agency of Health Research –ATRSS)*

*Oran Juin 2017*

*Organization of "Immunology Day Algeria" First Edition*

*Oran April 29th 2017*

*Reviewer for Clinical Immunology, (field: complement hemolytic assays in Eculizumab monitoring)*

*The Official Journal of the Federation of Clinical Immunology Societies*

*March 2017*

## PUBLICATIONS

### FULL PAPERS

**K. Kerboua et al. C3:CH50 ratio as a proposed composite marker for Eculizumab monitoring in atypical hemolytic uremic syndrome: Preliminary results**

*Journal of Immunoassay and Immunochemistry*

**DOI: 10.1080/15321819.2016.1234485**

**K. Kerboua et al. Association between anti-Ro 60kDa (SS-A) autoantibodies and hypocomplementemia in systemic lupus erythematosus patients from Algiers prefectures**

*The Egyptian Rheumatologist*

**DOI: 10.1016/j.ejr.2016.01.002**

**K. Kerboua et al. The alternative complement pathway activity may depend on plasma malondialdehyde level in systemic lupus erythematosus patients: Preliminary results**

*The Egyptian Rheumatologist*

**DOI: 10.1016/j.ejr.2016.02.003**

**K. Kerboua et al. Proposed Insights in the Pharmaco-Dynamic Theory of Ascorbate Pro-Oxidant Activity**

*OnLine Journal of Biological Sciences*

**DOI: 10.3844/ojbsci.2016.1.9**

**Batouche D. et al. Clinical and etiological profile malignant hypertension in children in pediatric intensive care**

*Ann Cardiol Angeiol (Paris)*

**DOI: 10.1016/j.ancard.2016.04.006.**

## ABSTRACT PUBLICATIONS

**K. Kerboua et al. Faut-il utiliser le dosage fonctionnel du facteur H comme outil de première ligne devant toute suspicion de syndrome hémolytique et urémique atypique ?**

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2016.07.173**

**K. Kerboua et al. A simple method to abolish the plasma factor H function in a reversible manner without affecting the alternative complement pathway activity**

*Immunobiology*

**DOI: 10.1016/j.imbio.2016.06.025**

**K. Kerboua et al. No complement exhaustion or factor H increases in B cell non Hodgkin lymphoma patients under rituximab therapy**

*Immunobiology*

**DOI: 10.1016/j.imbio.2016.06.026**

**K. Kerboua et al. The alternative complement pathway is associated with oxidative stress in human autoimmunity: Preliminary results**

*Immunobiology*

**DOI: 10.1016/j.imbio.2016.06.024**

**K. Kerboua et al. Complement-related Innovations: From the immunology laboratories to biotechnology companies**

*Front. Immunol.*

**DOI: 10.3389/conf.fimmu.2014.04.00026**

**K. Kerboua et al. Complement-systemic lupus erythematosus controversy in Algerian women**

*Front. Immunol.*

**DOI: 10.3389/conf.fimmu.2014.04.00027**

**K. Kerboua et al. Nitrogen stress and complement C3 in newborn pre-eclamptic mothers in the province of Tlemcen**

*Front. Immunol.*

**DOI: 10.3389/conf.fimmu.2014.04.00030**

**K. Kerboua et al. Oxidative stress: the big bang of the complement-mediated pathologies**

*Front. Immunol.*

**DOI: 10.3389/conf.fimmu.2014.04.00028**

**K. Kerboua et al. The yin and yang of the terminal non-lytic complement pathway**

*Front. Immunol.*

**DOI: 10.3389/conf.fimmu.2014.04.00032**

**Batouche D. et al. Facteurs pronostiques de la maladie de Berger chez l'enfant**

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2016.07.198**

**Batouche D. et al. Hypertension artérielle maligne révélant une hypothyroïdie chez une dialysée**

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2016.07.100**

*Batouche D. et al. Les urgences néphrologiques dialysées en réanimation pédiatrique : quel pronostic pour quelle étiopathogénie ?*

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2016.07.078**

*Batouche D. et al. L'hypertension artérielle, le diabète : indices prédictifs de dysfonctionnement rénal chez les patients suivis en consultation néphrologique*

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2016.07.181**

*Batouche D. et al. L'insuffisance rénale aiguë et grossesse : quels sont les facteurs prédictifs de sa survenue ?*

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2016.07.119**

*Batouche D. et al. Profil clinico-bactériologique de l'infection urinaire dans un service de réanimation pédiatrique*

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2016.07.118**

*Batouche D. et al. Profil clinique et étiologique de l'hypertension artérielle maligne chez l'enfant en réanimation pédiatrique*

*Annales de Cardiologie et d'Angéiologie*

**DOI: 10.1016/j.ancard.2016.04.006**

*Batouche D. et al. Statut volémique chez l'enfant en insuffisance rénale aiguë admis aux soins intensifs : approche étiologique*

*Néphrologie & Thérapeutique*

**DOI: 10.1016/j.nephro.2015.07.094**

*Batouche D. et al. Valeur pronostique de l'insuffisance rénale aiguë du nourrisson en soins intensifs*

*Néphrologie & Thérapeutique, DOI: 10.1016/j.nephro.2015.07.207*

## INVITED SPEAKER

**Immune response to dental implant: Toward a functionally optimized Ti implant**

*First Military Congress of Dentistry, Constantine 2014, Algeria*

**The forth biotechnological pole of Algiers: Role of the Immunotechnologist** *Pharmacie plus, summer 2013*

## COMMUNICATIONS

### ORAL COMMUNICATIONS

*K. Kerboua et al. Anticancer Biotherapy : Toward a Personalized Therapy through the Immunological Characterization of Responder Patients*

*ATRSS Workshop "Issues and Priorities for Health Research", Oran Juin 2017*

*K. Kerboua et al. Emergencies in Complementology*

*1st Medical & Surgery Congress of Ain Temouchent Hospital, April 2017*

**K. Kerboua et al. Diagnosis of Complement deficiencies: The need for a Franco-Maghrebin Network**  
*1st Maghreb and 9th Moroccan PID Congress, December 2016*

**K. Kerboua et al. Projet de mise en place d'un réseau franco-maghrébin d'exploration du système du complément en pathologie humaine**  
*6<sup>ème</sup> Congrès National de la Biologie Médicale et Médecine de Laboratoire, Alger 2016*

**K. Kerboua et al. Peut-on reconsidérer le dosage du C3 et du facteur H dans le syndrome hémolytique et urémique atypique par anomalies en facteur H ?**  
*Congres de la société française de pédiatrie, Lille 2016,*

**K. Kerboua et al. The alternative complement pathway is associated with oxidative stress in human autoimmunity: preliminary results**  
*Cours Nord Africain d'Immunologie IUIS-FAIS ImmunoTunisia 2016*

**K. Kerboua et al. A proposed post-therapy C3:CH50 Ratio to monitor Eculizumab effectiveness in aHUS**  
*XXII<sup>ème</sup> Congrès National de la Société Algérienne de Néphrologie, Dialyse et Transplantation, Alger 2015*

**K. Kerboua et al. Le Syndrome Hémolytique et Urémique Atypique: De l'explication moléculaire à l'Eculizumab**

*XXII<sup>ème</sup> Congrès National de la Société Algérienne de Néphrologie, Dialyse et Transplantation, Alger 2015*

**K. Kerboua et al. Le Diagnostic Moléculaire du Syndrome Hémolytique et Urémique Atypique Lié Au Facteur H.**

**Une Unité Algérienne d'Alerte pour la détection et le monitoring thérapeutique**

*The IV<sup>th</sup> International Aurassian Congress of Nephrology, Batna 2015*

**K. Kerboua et al. A simple assay for the molecular diagnosis and therapy monitoring in the immunodeficiency of factor H-related atypical HUS**

*4<sup>th</sup> Biennial Meeting of African Society for Immunodeficiencies-May 2015*

**K. Kerboua et al. A proposal biomarker to assess soldier's semen quality in Saharan engaged units.**

*41<sup>st</sup> ICMM 2015 World Congress on MilitaryMedicine*

**K. Kerboua et al. La place de l'immunologie dans la conception et le développement d'un implant à base de Titaniuim**

*First Conference on Dental Implantology Dental Medicine, Department Sidi Bel Abbas University, April 2015*

**K. Kerboua et al. Parodontite et complément: promesses enfin tenues**

*La deuxième rencontre militaire de la médecine dentaire, Ecole d'Application de la Santé Militaire 2014*

**K. Kerboua et al. Les réponses immunes contre les implants dentaires**

*Programme de formation en Implantologie Dentaire, HMRUO, Juin 2014*

**K. Kerboua et al. Anticancer therapy of vitamin C: an in vitro study**

*VIII<sup>th</sup> Congress of the Algerian Society of Hematology and Blood transfusion SATH, Algiers June 2014*

## POSTER COMMUNICATIONS

**K. Kerboua et al. Screening for the Factor H deficiencies**

*1st Maghreb and 9th Moroccan PID Congress, December 2016*

**K. Kerboua et al. Place of C3 quantification in the screening of Type I Factor H deficiencies**

*1st Maghreb and 9th Moroccan PID Congress, December 2016*

**K. Kerboua et al. Le plasma citraté est le meilleur type de prélèvement pour le dosage fonctionnel du facteur H en pédiatrie**

*Congres de la société française de pédiatrie, Lille 2016,*

**K. Kerboua et al. Le Rituximab à long terme n'est pas associé au phénomène de l'exhaustion du complément ni à la surproduction du facteur H dans le lymphome non hodgkinien à grande cellules B**

*36<sup>e</sup> Congrès annuel de la Société Française d'Hématologie, Paris 2016*

**K. Kerboua et al. La rémission complète aux cous du LNH à grande cellules B est-elle associée à des niveaux élevés de stress oxydatif ?**

*36<sup>e</sup> Congrès annuel de la Société Française d'Hématologie, Paris 2016*

**K. Kerboua et al. Les angioedèmes non histaminiques: de l'exploration du système du complément à l'avenir thérapeutique**

*17<sup>e</sup> Journées Nationales de Dermatologie Pédiatrique, Algiers 2016*

**K. Kerboua et al. Caractéristiques immunologiques du lupus pédiatrique: à propos de trois observations**

*17<sup>e</sup> Journées Nationales de Dermatologie Pédiatrique, Algiers 2016*

**K. Kerboua et al. Le système du complément en transplantation d'organe: de l'amplification de l'ischémie-reperfusion à l'inhibition pharmacologique**

*7<sup>e</sup> Congrès annuel la Société Algérienne de Transplantation d'Organes, Algiers 2015*

**K. Kerboua et al. Les microangiopathies thrombotiques post-greffe et le système du complément: Promesses enfin tenues!**

*7<sup>e</sup> Congrès annuel la Société Algérienne de Transplantation d'Organes, Algiers 2015*

**K. Kerboua et al. L'exploration de la voie alterne du complément dans la néphropathie lupique**

*XXII<sup>ème</sup> Congrès National de la Société Algérienne de Néphrologie, Dialyse et Transplantation, Algiers 2015*

**K. Kerboua et al. L'interaction entre le système du complément et l'hémostase dans les maladies dys-immunes à complications thrombotiques**

*IX<sup>th</sup> Congrès annuel de la Société Algérienne d'Hémobiologie et de Transfusion Sanguine, Algiers 2015*

**K. Kerboua et al. La pathogénie du complément dans le syndrome des antiphospholipides: de l'explication moléculaire à la conception thérapeutique**

*IX<sup>th</sup> Congrès annuel de la Société Algérienne d'Hémobiologie et de Transfusion Sanguine, Algiers 2015*

**K. Kerboua et al. Oxidative stress is associated with increasing levels of complement factor C4 and C-reactive protein in human inflammatory non autoimmune diseases**

*44<sup>th</sup> Congress of German Society of Immunology DGFI, Germany, Bohn 2014*

**K. Kerboua et al. Immune complexes in systemic lupus erythematosus: relationship with classical complement pathway and anti C1q antibodies**

*XXV International Complement Workshop, September 14-18, 2014, Rio de Janeiro, RJ Brazil*

**K. Kerboua et al. The classical and/or lectin complement pathway may reduce oxidative stress response in non autoimmune conditions**

*12<sup>th</sup> congress of the Tunisian Society of Immunology STI, Hammamet-Yasmine, Tunisia 2014*

**K. Kerboua et al. Des phénotypes du Lupus Erythémateux Systémique selon la réactivité auto-immune**

*12<sup>th</sup> congress of the Tunisian Society of Immunology STI, Hammamet-Yasmine, Tunisia 2014*

**K. Kerboua et al. La présence des Complexes Immuns Circulants en absence des auto anticorps anti C1q est due à un déficit dans la voie classique du complément: à propos d'une observation**

*12<sup>th</sup> congress of the Tunisian Society of Immunology STI, Hammamet-Yasmine, Tunisia 2014*

**K. Kerboua et al. L'Apport de la Technologie de Cytométrie en Flux dans la détection et le dosage des auto-anticorps anti ADNdb dans le Lupus Erythémateux disséminé**

*12<sup>th</sup> congress of the Tunisian Society of Immunology STI, Hammamet-Yasmine, Tunisia 2014*

**K. Kerboua et al. La voie Classique du Complément, les Complexes Immuns Circulants, les auto anticorps anti C1q et les auto anticorps étiopathogéniques anti SSA dans le Lupus Erythémateux Systémique**

*12<sup>th</sup> congress of the Tunisian Society of Immunology STI, Hammamet-Yasmine, Tunisia 2014*

**K. Kerboua et al. Lupus leucopenia is associated with C3 and C4 consumption and anti Histone generation**

*VIII<sup>th</sup> Congress of the Algerian Society of Hematology and Blood transfusion SATH, Algiers, June 2014*

## BOOKS

***The Complement System***, Language: French. ISBN: 978-9931-9231-0-7

[www.bibionat.dz](http://www.bibionat.dz)

***Crise aigue hypertensive en réanimation pédiatrique***, Language: French ISBN: 978-3-639-52795-7

[www.editions-ue.com](http://www.editions-ue.com)

## INVENTION

***Complement Score® is a PREDICTIVE & PROGNOSTIC for a PERSONALIZED ANTI-CANCER THERAPY***

*ATRSS Juin 2017*

***fH-aHUS hemolytic agarose plate***, the Journal of Scientific and Innovative Research (2015); 4(6): 221-223

## GRANTS AND AWARDS

- IUIS Grant to present a talk about oxidative stress and complement system in Autoimmunity, FAIS-IUIS-Immuno-Tunisia 2016
- Prize of the best Oral Communication The Regional Military Congress of Dentistry 2015
- Prize of the best Poster Communication The Algerian Society of Hematology and Blood Transfusion 2014

## INVITED ACTIVITIES

- Editorial Secretary.** The Medical Journal of the Military University Hospital HMRUO, Oran, Algeria.
- Scientific Committee.** 1<sup>st</sup> International Congress of Immunopathology and Molecular Immunology, Algeria.
- Scientific Councilor for 2014.** The Algerian society of Asthmology, Allergology and Clinical Immunology.
- Editorial member.** The International Journal of Immunology, USA.
- Reviewer.** The American Journal of Immunology, USA.  
Clinical Immunology, the official Journal of FOCIS

## MEDICAL EXPERIENCE

- Clinical Laboratory Immunologist *Fall 2013-Present*  
*Department of Immunology, Central Military Hospital, Algiers, Algeria*  
*Unit of Immunology, Military University Hospital of Oran, Algeria*
- Associate Professor *Fall 2013-Present*  
*Departments of Pharmacy, Universities of Algiers, Oran and Tlemcen*  
*Department of Medicine, University of Oran*
- Hospital Pharmacy Assistant Manager *2007-2008*  
*The Central Military Hospital, Algeria*

## EDUCATIONAL ACTIVITIES

### SENIOR LECTURER IN IMMUNOLOGY

Department of Dental Medicine, Oran Faculty of Medicine

January 2015 - Present

All lectures are Online in: <http://www.slideshare.net/KheirEddineKERBOUA/presentations>

### INVITED MEMBER OF NATIONAL Ph.D. APPLICANT EXAM

Applied Immunology and Nutrition

*Tlemcen University, October 2013*

Immunochemistry and alimentation

*Sidi Bel Abbes University, October 2013*

### THESIS CO-ADVISOR

Immundeficiency, Pr. Mourad ARIBI, advisor

*Current*

*Faculty of Biology, University of Tlemcen, Algeria*

Biotechnology, Pr. B. BABAHAAMED, advisor

*Current*

*Department of Biotechnology, University of Oran, Algeria*



### THESIS ADVISOR

Kheir Eddine benmahmoud, Pharm.D Student Fadwa dekhili, Pharm.D Student (The evaluation of the Alternative Complement Pathway in Rtuximab Resistance") <i>Faculty of Medicine of Oran, University of Oran, Algeria</i>	2017
Ahmed MhammediBouzina, Pharm.D Student Hamid Zeggaoui, Pharm.D Student (Influence of Divalent cations of the alternative Pathway of Complement) <i>Faculty of Medicine of Oran, University of Oran, Algeria</i>	2015
Mimouna KERRACHE, PharmD. and Fatima BENAJEMIA, PharmD. (In vitro evaluation of the oxidative stress based therapy of mega doses of ascorbic Acid) <i>Faculty of Medicine, University of Oran, Algeria</i>	2014
Asma AMMAR SETTI, M.Sc. II Student (Immunological assessment of HLA B27 in Behçet's patients from Algiers prefectures) <i>Faculty of Biology, University of Blida, Algeria</i>	2012
Amina BOUMEDIENE, Nursing Bachelor Degree (Development of the Functional assay AH <sub>50</sub> for the alternative complement pathway assessment in Systemic Lupus Erythematosus) <i>National Institute of Higher Paramedical Education, Oran, Algeria</i>	2015

### TEACHING AND LEARNING INITIATIVES

Member of the first Algerian master of Immunology <i>Department of Biology, TLEMCEEN UNIVERSITY, Algeria</i>	2013
Member of the Algerian Workshop of Immunology <i>Department of Biology, TLEMCEEN UNIVERSITY, Algeria</i>	2013
Co-founder of the first Military Pharmacy Workshop <i>High School of Military Health. Ministry of Defence, Algeria</i>	2008

### COURSES TAUGHT

<i>Hypersensitivity Reactions (800 students)</i>	2017
Allergy in implantology <sup>(S)</sup> (100 Dentists)	Summer 2014 to Present
Complement system <sup>(*)</sup> (400 students)	Fall 2012 to Present
Immunotherapy <sup>(*)</sup> (500 students)	March 2014 to Present
Immunotherapy (10 post graduated medical doctors students)	January 2014
Lympho-proliferative syndromes <sup>(*)</sup> (200 students)	February 2014
Methods of antigen and antibody purification (200 students)	May 2013
Immunodeficiency (20 students)	Jun 2013
Immune tolerance <sup>(#)</sup>	April 2012
Complement system <sup>(#)</sup>	May 2012 to Present
<i>Reproductive Immunology (20 Master I Students in Immunology)</i>	May 2015

§Professional courses, \*Graduate courses and # for Paramedical Education courses

## CONTINUS MEDICAL EDUCATION CERTIFICATES

<b>Pediatric Rheumatology: June 2015</b>	<b>Keck School of Medicine of USC, USA</b>
<b>The Immune System: New Developments in Research</b>	<b>BIO101x, Osaka University, Japan</b>
Certificate ID 1269912928b643c293d5627a634dcb6a	
<b>Fundamentals of Immunology Part 1</b>	<b>BIOC372.1x, Rice University, USA</b>
Certificate ID 094c5fb032a1462fa263510ed9c969eb	
<b>Fundamentals of Immunology Part 2</b>	<b>BIOC372.2x, Rice University, USA</b>
Certificate ID 094c5fb032a1462fa263510ed9c969eb	
<b>Making Biologic Medicines for Patients: The Principles of Biopharmaceutical Manufacturing</b>	
Certificate ID 07c967ffbe27452fa6a9a75de4dd3eec	<b>10.03x, Center for Biomedical Innovation, MIT, USA</b>
<b>Proteins: Biology's Workforce</b>	<b>BIOC300.1x, Rice University, USA</b>
Certificate ID b1b38e7081914b8bb1c7e9ea943b7a06	
<b>Diagnosis, prognosis and management of aHUS</b> (Certificate ID: 54706006)	<b>Medscape 2015</b>
<b>Applied Molecular Biology Certificate</b>	<b>HTDS Corporation May 2013</b>
<b>Karyotype and FISH certificate</b>	<b>Pierre and Marie Curie Center, Algiers June 2013</b>
<b>Flow Cytometry Certificate</b>	<b>European ESCCA-ESCAL 2013</b>
<b>Therapeutic Updates, Best Practices, and Barriers to Care in the Treatment and Prevention of Kidney Transplant Rejection</b>	<b>ScientiaCME, September 29, 2016</b>
<b>New Data and Hot Topics in Rheumatoid Arthritis: Highlights from EULAR 2016,</b>	<b>Vindico Medical Education, September 25, 2016</b>
<b>The Patient with Hereditary Angioedema,</b>	<b>Vindico Medical Education September 24, 2016</b>
<b>ANCA-associated Vasculitis: Cross-disciplinary Considerations to Optimize Patient Care</b>	<b>Vindico Medical Education, September 29, 2016</b>
<b>Pediatric Rheumatology</b>	<b>Keck School of Medicine of USC and SLACK Incorporated, June 2015</b>
<b>Therapeutic Updates, Best Practices, and Barriers to Care in the Treatment and Prevention of Kidney Transplant Rejection</b>	<b>ScientiaCME, September 29, 2016</b>
<b>New Data and Hot Topics in Rheumatoid Arthritis: Highlights from EULAR 2016</b>	<b>Vindico Medical Education, September 25, 2016</b>
<b>Biosimilars in Rheumatology: A Practical Approach to Clinical Evaluation</b>	<b>Medscape Medical Education, March 2017</b>
<b>Mitigating the Challenge of Immune-Related AEs in the Emergency Department</b>	<b>Medscape Medical Education, March 2017</b>
<b>Hereditary Angioedema: Shifting Paradigms of Prophylaxis</b>	<b>Medscape Medical Education, March 2017</b>
<b>Comparative Efficacy and Safety of Biologics in the Treatment of Moderateto-Severe Crohn's Disease,</b>	<b>RIME Education, Inc. September 29, 2016</b>
<b>1st Course of Immunology and Immno-Oncology</b>	<b>Tunisian Association for the fight against cancer. Tunisia, October 2016</b>

## ADDITIONAL INFORMATION

**Spoken Languages:** Arabic, French, English (Professional). Turkish and German (Touristic)

**English Grammar and Essay Writing**

**CoWri2.2x, UC Berkeley, USA**

Certificate ID 37be6f73b0174c7da51d45542c1cd904

**Communicating Strategically**

**PN-15.2, Purdue University, USA**

Certificate ID 840361c201424135b1a77aeb09d0e24a

**Informatics certificate**

**ICOIN School, Algiers 2008**

**English certificate**

**Sibaweih School, Oran 2015**

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**NB: Updated April 2017**