



Post Graduate and Research
Department of Chemistry,
Sacred Heart College
(Autonomous) Thevara



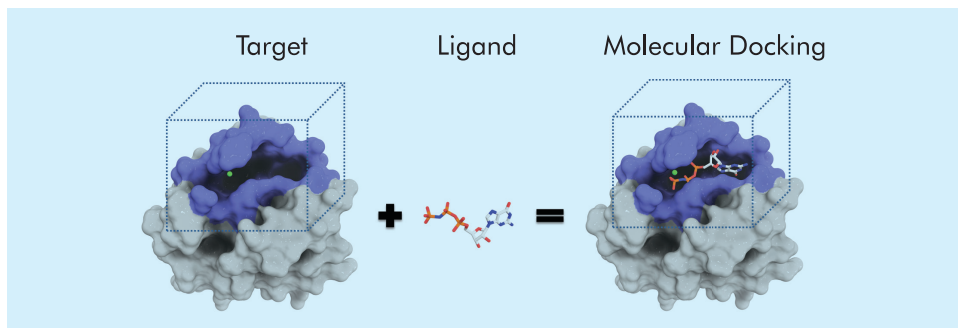
In Collaboration With
Department of Pharmaceutical
Chemistry and Analysis,
Amrita School of Pharmacy, Kochi

CERTIFICATE COURSE IN MOLECULAR DOCKING AND DRUG DESIGN BASED ON CADD

DURATION 3 MONTHS - CLASSES ON HOLIDAYS
FIRST BATCH STARTS ON 2nd OCTOBER 2018



Admissions are open to Professionals, Researchers and Students who had completed their Post graduation in Chemical, Biological and Physical sciences.



Certificate Course in Molecular Docking and Drug Design

The certificate course would be beneficial to both industrialists and academicians who wish to use computer-based methods to enhance the productivity of their research in the fields of medicinal chemistry, biochemistry, molecular design and bioinformatics. In addition to the coverage of fundamental concepts behind these methods, this course will provide a platform for the practical aspects of molecular modeling and computer-assisted drug design.

Course Details:

- Total Contact Hours = 40 (20 Hours Theory + 20 Hours Practical with hands on training)
- Eight Full Day Classes of 5 hour duration are scheduled on Saturdays/Holidays
- Tutors and Resource Persons from Sacred Heart College Thevara, Amrita School of Pharmacy, Other Reputed Colleges and National Institutes will lead the classes.
- Admitted Participants should bring their personal laptops for all classes.
- Theory classes based on the concepts of drug design and molecular modeling.
- Provide hands on training to use free molecular modeling/docking softwares such as autodock, pymol, vmd, namd and to perform docking/simulation.
- A theory and practical exam will be there at the end of the course and certificates will be issued
- Total Fees – Rs 3000 (Can be paid in two installments)
- Venue of the Course – Sacred Heart College Thevara

Expected Learning Outcomes of the Course

- How to use CADD methods in your research.
- Ligand-Based Drug Design approaches and examples.
- The impact of pharmacophore modeling in drug design.
- Structure-based molecular design approaches and examples.
- 3D database search strategies and their applications to molecular design.
- Familiarize recent developments, such as virtual high-throughput screening, docking and scoring.
- Basics of Molecular Modeling and Molecular Dynamics Simulations

Administration

Coordinator	Dr Abi T G (Asst. Prof, Dept. of Chemistry Sacred Heart College Thevara)
Convenors	<ol style="list-style-type: none"> Dr. K B Jose (Assoc. Prof. & HoD Chemistry, Sacred Heart College Thevara) Dr. Subin Mary Zachariah (Assoc. Prof. & HoD, Pharmaceutical Chemistry & Analysis, School of Pharmacy, Kochi)
Course In Charges	Dr. Ramakrishnan S. & Dr. June Cyriac (Asst. Prof, Dept. of Chemistry Sacred Heart College Thevara)

The maximum intake is limited to 40. Those who wish to register for the course should send the filled-in registration forms by e-mail (Scanned Form) or in person on or before 30-9-2018 to the course coordinator.

All correspondence shall be addressed to:

Dr. Abi T G - Assistant Professor

Department of Chemistry, Sacred Heart College (Autonomous), Thevara – 682 013
Tel: 0484 2663180 - Mobile: 9446058463 - Email: abitg@shcollege.ac.in

COMPUTER AIDED DRUG DESIGN (CADD)

CERTIFICATE

This is to certify that *Dr. Sreeja. V., Faculty, Department of Chemistry, The Bohin College, Kochi* has successfully completed the Three Months Certificate Course in "Molecular Docking and Drug Design" organized by Post Graduate and Research Department of Chemistry, Sacred Heart College (Autonomous), Thevara in collaboration with Department of Pharmaceutical Chemistry and Analysis, Amrita School of Pharmacy, Kochi from 2nd October 2018 to 15th December 2018. He / She has attended 40 contact hours (2 Credit Course) and passed examination / presentation withGrade.



Principal
Sacred Heart College

Principal
Amrita School of Pharmacy

Course Coordinator