



Faculty
of Pharmacy

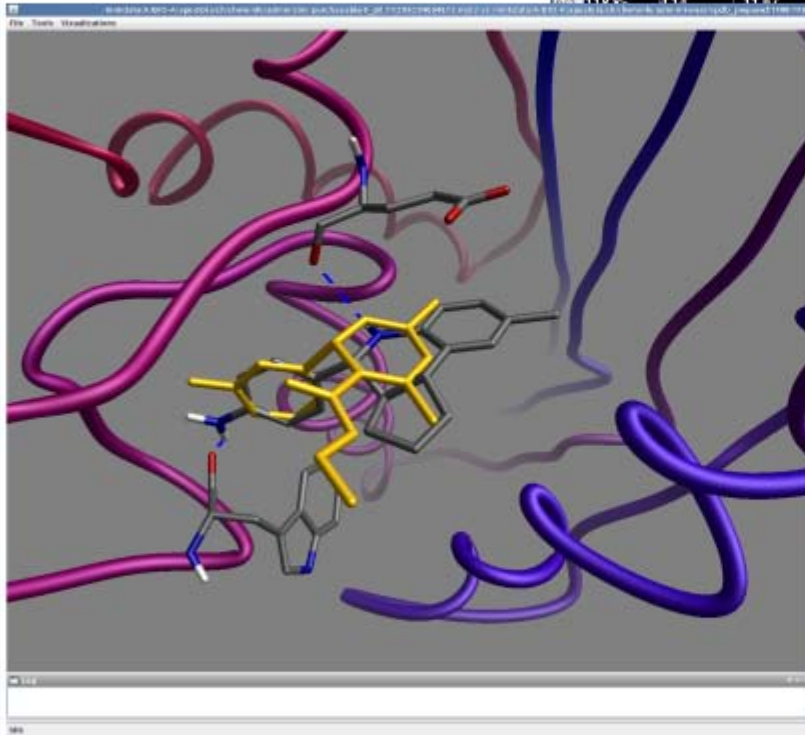
Accredited by NAQAAE



DRUG DESIGN PROGRAM

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File	Time	Rmsd	Fitness	LigandAtom	LigandTor	ProteinAto	BactRMSD	Reference	FitnessFar	Ligand
n/a	104.49	3.91	-9.75	39.00	14.00	616.00	2.78	-8.30	1000.00	R00022_0...
n/a	97.97	4.50	-9.76	39.00	14.00	616.00	2.43	-8.30	-9.13	R00022_1...
n/a	99.12	3.87	-7.74	39.00	14.00	564.00	2.86	-10.91	1000.00	R00022_0...
n/a	103.22	3.37	-10.21	39.00	14.00	564.00	2.66	-10.91	1000.00	R00022_1...
n/a	109.16	2.25	-12.19	39.00	14.00	1000.00	2.01	-15.93	-12.19	R00022_0...
n/a	118.85	1.14	-14.67	39.00	14.00	1000.00	2.89	-15.93	1000.00	R00022_1...



1.32	308.05	-12.98	R00024_0...
1.19	-8.06	-13.53	R00024_1...
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1.87	-17.09	-17.84	R00024_1...
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1.16	-2.57	-12.78	R00024_1...
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1.25	2.17	-15.31	R00024_1...
1.57	318.82	-12.21	R00024_0...
1.12	5.02	-12.64	R00024_1...
1.06	-3.72	-9.40	R00024_0...
0.99	-3.72	-11.31	R00024_1...
1.28	-7.93	-14.20	R00024_0...

Ranking

Load

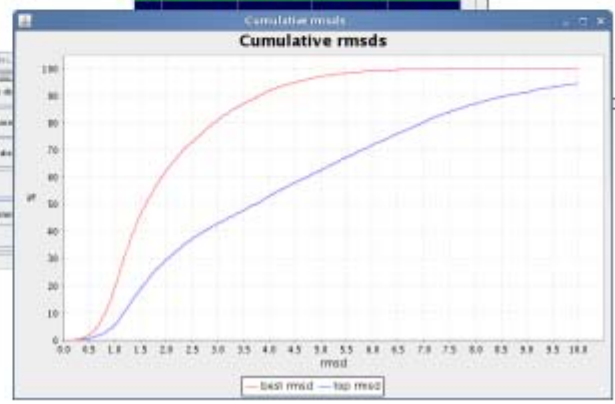
Refresh

Name	Value

Cumulative RMSD plot

Rank plot

loadRanks



Advantages of the Program

- Adopting the credit hour system as implemented in highly-ranked universities world-wide.
- Low students numbers which encourages the efficient interaction with the tutors.
- Presence of academic advisors to guide the students in registration and planning their academic semesters.

Advantages of the Program

- Advanced courses of drug design focusing on the use of computer softwares in developing new and efficient medicines: Computer-Assisted Drug Design (CADD).
- Advanced courses of drug delivery systems: Computer-assisted dosage form design (CADFD) and nanotechnology.
- Final year graduation project that introduces the final year students to the real research atmosphere.

REVIEW ARTICLE

Final Year (Level 5) student

Gelatin-based particulate systems in ocular drug delivery

and Mohamed K. Omran

Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt

Abstract

Despite all scientists efforts exerted over the past years, the ocular delivery of drugs remains a great challenge due to several barriers and hurdles faced by this kind of administration. The exploitation of gelatin that has a long history of safe use in pharmaceuticals and which is considered as a GRAS (Generally Regarded As Safe) material by the FDA was not fully achieved in this field. This review summarizes the recent studies and findings where gelatin-based micro- and nanoparticles were used for successful ocular delivery aiming at drawing the attention of researchers and scientists to this valuable biomaterial that has not been fully explored.

Keywords

Biomaterial, drug delivery, gelatin, ocular, particles

History

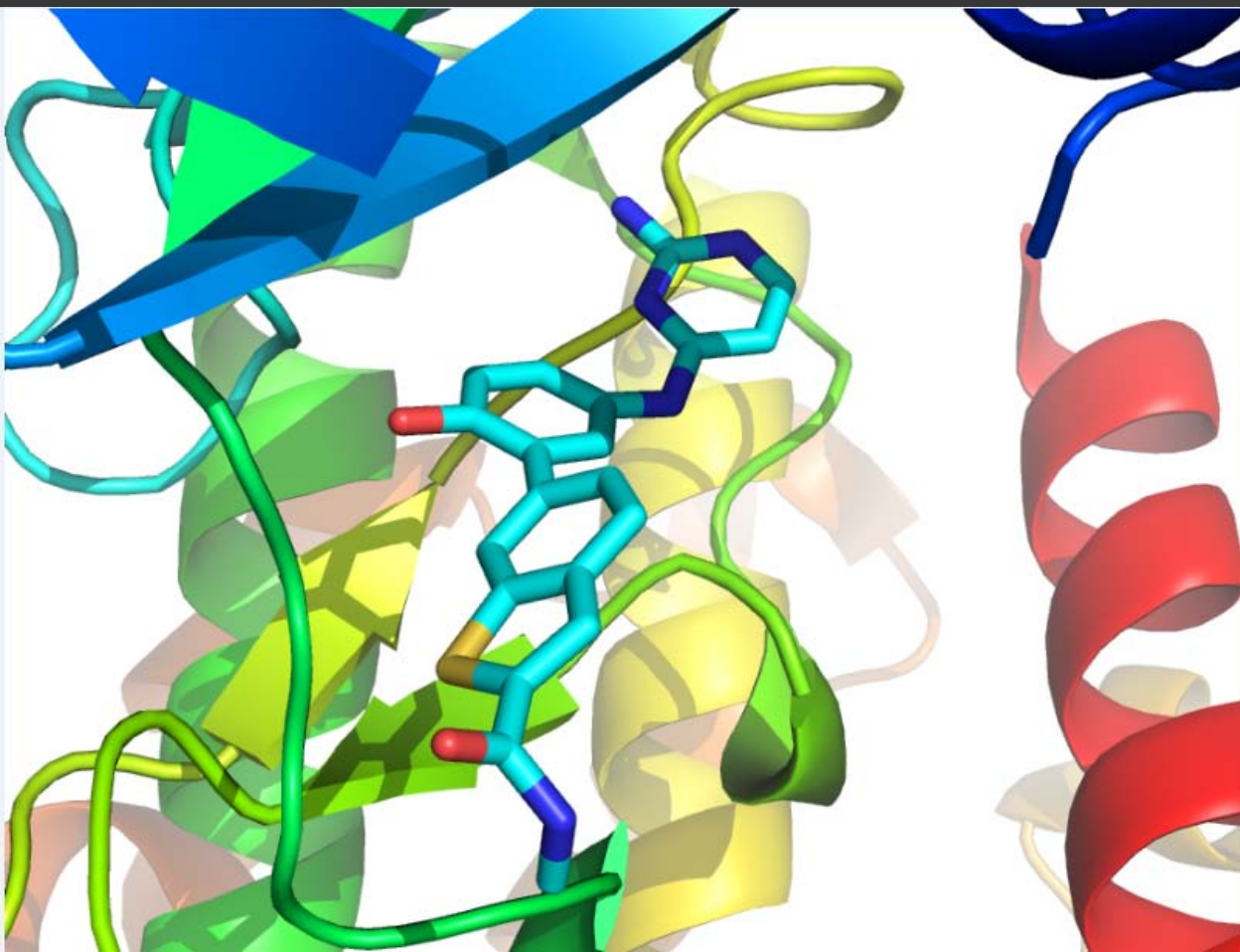
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Computer Assisted Drug Design (CADD)



Jobs Opportunities:

Beside the ordinary jobs available for pharmacists, the program graduates would have good opportunities in fields like:

- Research and Development departments of drug factories and companies.
- Research labs in health centres and institutes such as 57357 hospital.
- Forensic medicine labs.
- Research centers.
- Academic universities and institutes locally or world-wide.

Questions are welcomed!

Program coordinator:

selahmady@pharma.asu.edu.eg

Vice:

rania.hathout@pharma.asu.edu.eg