Biodata

Prabhjeet Singh

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Date of Birth: June12, 1994

Gender: Male

Category: General

Academic qualification (undergraduate onwards)

S.no.	Degree	University	% age of marks	Year of passing
1	B.Pharm	University of Health Sciences, Pt. B.D. Sharma, PGIMS, Rohtak	77.24%	2016
2	M.Pharm	Jamia Hamdard, New Delhi	84.58%	2018
3	Ph.D.	Birla Institute Of Technology And Science–Pilani (BITS–Pilani), Rajasthan	pursuing	On-going

Ph.D thesis details

Title: Actively targeted nano-carrier system for the co-delivery Temozolomide and an autophagy modulator for the treatment of glioblastoma multiforme, under the supervision of Prof. Deepak Chitkara and co-supervision of Prof. Gaikwad Anil Bhanudas, Associate professor, Birla Institute of Technology And Science–Pilani (BITS–Pilani), Rajasthan-33031

Professional award/Recognition/Prize/certificate received

S.no.	Award details	Awarding Agency	Year
1.	Gold Medallist	Jamia Hamdard University, New Delhi	2018
2.	Junior Research Fellow (JRF)	DBT-Nanobiotechnology	2018
3.	Junior Research Fellow (JRF)	DST-INSPIRE	2019
4.	Senior Research Fellow (SRF)	DST-INSPIRE	2022

List of Publications (in chronological order)

S. No	Names of all authors	Title of the paper	Name of the Journal and Volume, Year and Page No.
1	Jatyan, Reena, **Prabhjeet Singh**, Deepak Kumar Sahel, Y. G. Karthik, Anupama Mittal, and Deepak Chitkara	Polymeric and small molecule-conjugates of temozolomide as improved therapeutic agents for glioblastoma multiforme	Journal of Controlled Release 350 (**2022**): 494-513
2	Ansari, Imran, **Prabhjeet Singh**, Anupama Mittal, Ram I. Mahato, and Deepak Chitkara	2, 2-Bis (hydroxymethyl) propionic acid based cyclic carbonate monomers and their (co) polymers as advanced materials for biomedical applications	Biomaterials 275 (**2021**): 120953
3	Sharma, Saurabh, Sudeep Pukale, Deepak Kumar Sahel, **Prabhjeet Singh**, Anupama Mittal, and Deepak Chitkara	Folate targeted hybrid lipo-polymeric nanoplexes containing docetaxel and miRNA-34a for breast cancer treatment	Materials Science and Engineering: C 128 (**2021**): 112305
4	Shaik, Abdul Rahaman, **Prabhjeet Singh**, Chandini Shaik, Sunil Kohli, Divya Vohora, and Serge Livio Ferrari	Metformin: Is It the well wisher of bone beyond glycemic control in diabetes mellitus?	Calcified tissue international 108 (**2021**): 693-707
5	**Singh, Prabhjeet**, Aditi Singh, Shruti Shah, Jalpa Vataliya, Anupama Mittal, and Deepak Chitkara	RNA interference nanotherapeutics for treatment of glioblastoma multiforme	Molecular Pharmaceutics 17, no. 11 (**2020**): 4040-4066

Technical Skills

Advanced Drug Delivery System:

- Designing and Synthesis of novel biocompatible and biodegradable amphiphilic polymer for the delivery of small molecules for targeting various diseases.
- Development and evaluation of developed nanotherapeutics (polymeric nanoparticles and nano-micelles) using various preparative methods and their application to cancer.

Instrumental skills:

- Handling various analytical and high-end instruments, including Waters Acquity UPLC-MS/MS, Shimadzu HPLC-UV, Waters HPLC-UV, Spectrofluorometer, DSC, AT-IR, Malvern Zetasizer, waters Gel permeation chromatography, Waters Semipreparative HPLC-UV, Fluorescent microscope, Shimadzu GC-FID, etc.
- Other instruments include advanced microwave synthesizers i.e., Aton Paar Monowave 400, cole palmer High shear homogenizer, etc.

In-vivo Studies:

- Proficient in handling and dosing animals, including Rats and mice, and its application to the development of various disease models, including glioblastoma multiforme (brain tumor, diabetes, diabetic osteopathy, diabetic nephropathy, Psoriasis, etc.