

## Important Dates:

Event	Tentative Date
Application form online and offline opens	10 <sup>th</sup> May 2017 onwards
Last date of submission of online/offline applications	5 <sup>th</sup> June 2017
Entrance Examination	3 <sup>rd</sup> Week June 2017
Announcement of results	30 <sup>th</sup> June 2017
Course commencement	5 <sup>th</sup> July 2017

Exact dates will be announced shortly on University website

### How to Apply

Application form can be downloaded from University website [www.dypatilunikop.org](http://www.dypatilunikop.org) or may be collected from University office (Ground floor).

The filled-in application form to be submitted to 'The Registrar', D. Y. Patil University, Kasaba Bawda, Kolhapur - 416 006 along with demand draft of Rs. 1000/- in favor of 'The Registrar, D. Y. Patil University, payable at Kolhapur.

**For all admissions and course related enquiries contact** [info@dypatilkolhapur.org](mailto:info@dypatilkolhapur.org) or contact : +91-231-2601235 ; Ext: 212/260.  
For further queries contact : 9028492889 / 8788382033 / 9767677772



# D. Y. Patil University, Kolhapur

*Accredited by NAAC with 'A' Grade*

**(Develop your Global career)**



Department of Stem cell and  
Regenerative Medicine  
Centre for Interdisciplinary Research

**Admissions Open**

**for 2017-2018**

## About the Department

Stem cells has opened the doors of unabated technological advancement in science by acting as a connecting link to other branches of science such as embryology, cell and molecular biology, bioinformatics, tissue engineering etc, forming an interdisciplinary field. D.Y.Patil University is the only University in Maharashtra which offers specialized M. Sc. and Post Graduate Diploma course in Stem Cell and Regenerative Medicine (SCRM). The department is continuously engaged in innovative research and teaching. The department is well versed with the state of the art facility including Tissue culture facility, Fluorescent microscope, ELISA, Western blotting, CO<sub>2</sub> incubator, Cooling centrifuge, RT-PCR and many more. All our Alumni are well settled either with Jobs in Stem cell Industry/Pharmaceutical Industry / Cord blood Banking / University / Hospitals or pursuing PhD abroad/India/within University Campus interviews are also arranged every year. From this academic year 2017, we are launching a new course on M. Sc. in Medical Biotechnology for aspiring students everywhere of Biotechnology and Life Sciences.

## COURSES

### 1. M. Sc. in Stem Cell and Regenerative Medicine

Department of Stem cell and Regenerative Medicine offers a specialized course on M.Sc. in Stem cell and Regenerative Medicine (SCRM) since 2011 for the aspiring students who are interested in the field of stem cell and regenerative medicine. The course covers various aspects of cell, molecular and developmental biology with special emphasis on stem cell biology from its origin to its current and potential application in pre-clinical and clinical fields related to various disorders.

### 2. M. Sc. in Medical Biotechnology

Centre for Interdisciplinary Research is initiating a new course on M. Sc. in Medical Biotechnology since 2017. This course focuses on the scientific and industrial application of biotechnology in support of medicine. The course concentrates on various aspects of basic science such as cell and molecular biology, immunology, genetics, microbiology etc with a special focus on applied/industrial and medical biotechnology coupled with biological processes, technologies and skills used in the research and development of pharmaceutical products, vaccines and devices for the application in medical industry. The course is suitable for all biotechnologists and life science students who are willing to have the technical training necessary to successfully pursue job/ research in industry and other medical biotechnology fields.

## About the Courses

- **Type :** Interdisciplinary
- **Duration :** 2 years, including research project for 6 months.
- **Course content :** Stem cell biology, molecular biology, cell and molecular biology, developmental biology, tissue engineering, immunology, applied biotechnology, industrial biotechnology, Medical Biotechnology etc.
- **Exposures :** Industrial/hospital visit, exposure to various sophisticated instruments and advance techniques.

## Career Opportunities

1. **Govt. Sectors :** Govt. research laboratories such as NCCS, CSIR, CDRI, DRDO, CCMB, IICMR, IISER, etc.
2. **Private Sectors :** Stem cell industries, cord blood banking sectors, pharmaceutical and biotech industries, R and D sectors, etc.
3. **Research/Teaching :** Govt. and private universities / colleges / institutes (national and international), further higher studies abroad/India.
4. **Entrepreneurship :** Both the courses builds leadership qualities in students to become entrepreneurs.

### 3. Post Graduate Diploma in Stem Cell and Regenerative Medicine:

With a bright future seen in the upcoming field of stem cell and regenerative medicine, the University has started a regular/weekend P.G. Diploma in Stem Cell and Regenerative Medicine, for giving most potential benefits in student's career by adding light to the existing career without any waste of time in a cost-effective manner. The vision of the course is to impart in-depth knowledge on different types of stem cells and their in-vitro and in-vivo applications, in a short period of time effectively.

**Eligibility :** (M.Sc. and P.G. Diploma in SCRM, M.Sc. in Medical Biotechnology)

B. Sc in Biology, Microbiology, Biochemistry, Biotechnology and any related Life science courses, MBBS, BDS, BAMS, BHMS, B. Pharm or BE Biotechnology from a recognized University with minimum of 50% marks. Students appearing for final year of graduation are also eligible to apply, subject to securing qualification score as above.