

Animal Geneticist

Aliases: Animal Breeder

Industry/Sector(s): Healthcare

JOB DESCRIPTION ¹

The tasks an Animal Geneticist is expected to perform include:

- Conducting research in animal genetics and dealing with problems concerning evolution of new breeds, rearing of livestock, genetically control of disease, artificial insemination, sterilisation, etc.
- Studying inherent traits in animals and analysing their causes such as environment, food, colour, growth, maturity, sterility, diseases, etc.
- Conducting experiments to develop better variety or strain of animal to resist diseases, increase yield of milk, meat, eggs, etc.
- Selecting animals of required character to cross breed different animals, to get required strains by natural breeding or artificial insemination
- Maintaining charts and records of crossings and breeds of animals for several generations

WORK ENVIRONMENT ¹

- It is not a desk job
- The candidate will supervise a team of Nurses and other Medical Staff
- Local travelling is not a part of this job role
- Part-time work and contractual jobs are available
- Work from home option is not available

Working hours

- Hospitals/clinics usually work for 6/7 days a week and 8/10 hours everyday. This may vary from hospital to hospital
- Shift system is available

Is the job suitable for a candidate with special needs?

No

HEALTH AND SAFETY REQUIREMENTS/RISKS

- This job is not considered hazardous or dangerous under The Factories Act, 1948 (section 87)
- One may develop occupational hazards such as stress on eyes, mental and physical strain, joint pains, etc., if not taken care of

EDUCATIONAL QUALIFICATIONS AND TRAINING ³

Minimum –Master’s in Animal Genetics and Breeding

KEY COMPETENCIES ¹

- In-depth knowledge of the common problems with animal breeding
- Knowledge of the latest breeding practices
- Knowledge of evolution of new breeds
- Skilled in artificial insemination of animals
- Ability to perform experimental studies to develop better variety of animals

DESIRABLE COMPETENCIES ¹

Not applicable

PERSONALITY TRAITS ¹

- Attention to detail
- Good communication skills
- Analytical skills
- Animal lover
- Keen observer
- Patient
- Determined

AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES ³

Private and government institutes across India

AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

Coming soon

SAMPLE OF TRAINING AND LEARNING COURSES

<http://www.icar.org.in/files/edu/Revised-PG-Course-Curricula-and-Syllabi/LPM%2030.4.2009.pdf>

CAREER PROGRESSION PATH ¹

Chief Medical Officer → Dean of the College



Head of the Department



Senior Animal Geneticist



Animal Geneticist → Animal Geneticist Professor, Entrepreneur



Assistant Animal Geneticist



Intern

Transfer option

•India: Yes

•Abroad: Yes

(*This field to open the relevant job title when clicked)

EXPECTED EARNINGS ⁴

•For freshers - ₹ 8,000 to ₹ 12,000 per month

•For candidates with experience of 1 year and above - ₹ 15,000 to ₹ 25,000 per month

(These figures are indicative and subject to change)

REQUIRED WORK EXPERIENCE ³

Not required

CURRENT MARKET TRENDS ⁷

Growth and Development in the Healthcare Sector in India

Healthcare sector is one of the fastest-growing sectors today in terms of revenue and employment-generation in India. The sector consists of various segments viz. medical devices, hospitals, outsourcing, medical tourism, health insurance, medical equipment, and many more. The sector is broadly divided into two delivery systems –private and public. Government i.e. public healthcare system consists of basic healthcare and primary services in rural areas and limited secondary and tertiary services in cities. Public healthcare on the other hand comprises majority secondary, tertiary services, and quaternary care institutions in metro cities, Tier I and II cities.

One of the biggest advantages that India has over other countries is its cost competitiveness and pool of well-trained and work-ready professionals. Despite its well-developed position, this sector is yet to achieve its full potential. To boost the growth of this sector the government has taken many initiatives. India plans to provide universal healthcare programme to one sixth of the world's population, which will ensure basic health benefits. India had signed a Memorandum of Understanding (MoU) with Sweden about five years ago, which has helped bring in technological advancement in the field of healthcare. SEHAT (Social Endeavour for Health and Telemedicine) will help rural population gain information, knowledge, and other services that will help them come closer to better health benefits in this digital world. National Deworming initiative aims are deworming over 24 crore children between the ages of 1-19.

Apart from government initiatives, Foreign Direct Investment (FDI) has also helped boost the growth and development of this sector. International companies like IBM, IHH Healthcare Berhad, CDC, FitBit are just some of the players that have invested heavily in the India healthcare market. Many Indian companies also aim at increasing the number of hospitals or care institutes in India. Some of them are also going to add more beds to their existing hospitals in the next few years. These factors will not only help the sector grow, but will also positively affect the job market in India.

PROBABLE EMPLOYERS

- Zoos
- Animal hospitals
- Livestock farms
- Poultry farms
- Veterinary care centres
- National parks
- Animal reserves
- Self-employed

JOB OPPORTUNITIES IN INDIA ⁶

Cities and towns across India

PEOPLE'S CORNER

Coming Soon

KEYWORDS

- Animal Breeder
- Animal Gynaecologist

OCCUPATIONAL CODES AND STANDARDS

| Standard | Code | Description |
|--------------|-----------|-----------------------|
| NCO 2015 | 2251.0400 | Animal Genetist |
| ISCO 2008 | 2250 | Veterinarians |
| NIC 2008 | 75000 | Veterinary activities |
| QP Reference | NA | NA |
| NSQF | NA | NA |

REFERENCES

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| 1 | http://dget.nic.in/upload/uploadfiles/files/publication/Des-Div-2.pdf |
| 2 | http://socialjustice.nic.in/policiesacts3.php |
| 3 | http://www.winentrance.com/career_courses/animal-breeder.html |
| 4 | http://www.winentrance.com/career_courses/genetic-engineering.html |
| 5 | http://www.ibef.org/industry/healthcare-india.aspx http://www.winentrance.com/career_courses/animal-breeder.html |
| 6 | http://www.censusindia.gov.in |
| 7 | http://www.ibef.org/industry/healthcare-india.aspx |