

**Job Title:** Anatomy/Physiology/ Biochemistry Expert

**Organisation:** IGAD Sheikh Technical Veterinary School

**Project location:** Sheikh, Sahil region, Somaliland

**Starting date:** August 2018

**Contract:** One year renewable

### **Duties and responsibilities of the Anatomy/Physiology/ Biochemistry expert**

The **Anatomy/Physiology/ Biochemistry expert** will carry out the following academic and administrative duties:

- Implement the training courses in their entirety, with regards to: **Anatomy-** body regions, integumentary system, species differences and microscopy, cytology and histology of skin, body cavities and organs, introduction to digestive system, monogastric and ruminant stomachs, defences and histology of digestive system, components of respiratory system and histology of respiratory system, osteology and myology, gross anatomy and histology of circulatory, excretory, endocrine and reproductive systems.

**Physiology** of integumentary system, cells, tissues and secretions and genetic conservation, animal feeds and feeding, physiology of digestive system, neural and hormonal regulations of the digestive system, physiology of respiratory system, mechanisms and control of breathing, hemoglobin and problems associated with breathing, neuromuscular physiology. Animal feeds and feeding, physiology of digestive system, neural and hormonal regulations of the digestive system. Physiology of respiratory system, mechanisms and control of breathing, hemoglobin and problems associated with breathing, neuromuscular physiology, circulatory, excretory, endocrine and reproductive physiology.

Cell **biochemistry**, monosaccharides, polysaccharides, Fatty acids, lipids and glycerol, eicosanoides and alcohols, proteins and nucleic acids. Ruminant ecology, digestion and biochemistry, enzymology, vitamins, major and trace elements, monogastric biochemistry, metabolism and bioenergetics. Respiratory and neuro-musculo-skeletal biochemistry. Muscle biochemistry (ATP production and Rigor mortis), immunoglobulins (antibodies), lipoproteins chylomicrons and hormonal biochemistry.

- Work with the curriculum development expert to revise the curriculum, as needs arise;
- Develop lesson plans for training sessions;
- Develop the student assessment system including setting, administering, marking and grading of exams;
- Assist in the ordering and maintenance of all assets, materials and equipment for training students in her/his area of technical and subject expertise;
- Be available for Reference Centre activities and other academic activities as agreed with the principal;
- Attend coordination meetings as called by the School Principal;
- Assist the School staff in the overall implementation of day to day activities;
- Perform any other duties as assigned by the Principal.

### **Education and technical expertise**

- The candidate should be an experienced Animal Anatomy expert, with a minimum of a Bachelor's degree in Veterinary Medicine. A Masters' degree in Veterinary Medicine with specialisation in either anatomy, physiology or biochemistry is an added advantage.

- The candidate should have a good grasp of animal anatomy of animal species that are common in the drylands.

### **Work experience**

The candidate should have a minimum of 2 years relevant work experience, with experience in the following fields being particularly desirable:

- Semi-arid and arid lands with a pastoral and agro-pastoral economy
- Matured teaching experience at tertiary level
- Conversant with student centred teaching methodology

### **Languages**

- Fluency in written and spoken English
- Knowledge of Somali and /or Arabic is an advantage

### **Competencies**

In addition to the above qualifications, applicants are expected to have the following competencies:

- Effective communication skills, in particular with students
- Good team worker and excellent interpersonal skills
- Good drafting, editing and writing skills (in English)
- Solid student centred teaching methodology experience is preferred

### **Nationality**

- Preference is given to candidates of IGAD member states (Djibouti, Eritrea, Ethiopia, Kenya, Uganda, Somalia, Sudan, South Sudan)
- Candidate is required to possess a certificate of Good Conduct or No criminal conviction or equivalent from country of domicile

### **How to apply**

Only candidates who meet the profile of the minimum qualifications, experience and core competences stated above can apply. Application accompanied by the candidate's detailed CV, copies of both academic and professional certificates and testimonials, names and addresses of three reputable referees and give the candidate's contact details must be addressed to the following address and must be e-mailed / submitted in such a way that they are received on or before **5:00pm on 20th July 2018**. Any application received after this deadline will not be considered. The application with the subject line "**Anatomy/Physiology/ Biochemistry expert – ISTVS**" should be made to:

The Director, Administration & Finance, IGAD,  
Avenue Georges Clemenceau,  
P. O. Box 2653

E-mail: [hr@igad.int](mailto:hr@igad.int),

Copy to: [antony.kosgei@igad.int](mailto:antony.kosgei@igad.int) and [rose.tsuma@igad.int](mailto:rose.tsuma@igad.int)

Djibouti, Republic of Djibouti

***IGAD is an equal opportunity employer. Female candidates are encouraged to apply.***