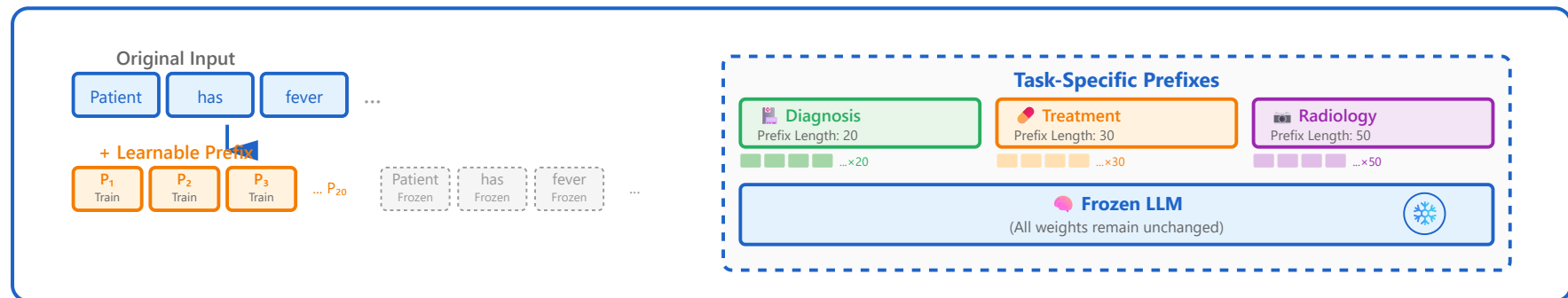


## Prefix Tuning Techniques

### Learnable Prefix Vectors

Prepend trainable tokens to input without modifying model weights



**0.01%**

Trainable Params

**10-100**

Prefix Length

**Fast**

Training Speed

### 🎯 Medical Prompt Design

- Task-specific prefixes (diagnosis, treatment, education)
- Specialty-specific prefixes (radiology, pathology)
- Multi-task prefix sharing
- Prefix length optimization (20-50 typical)

### ⚡ Advantages

- Minimal parameter updates
- Easy to switch between tasks
- No architectural changes
- Composable prefixes