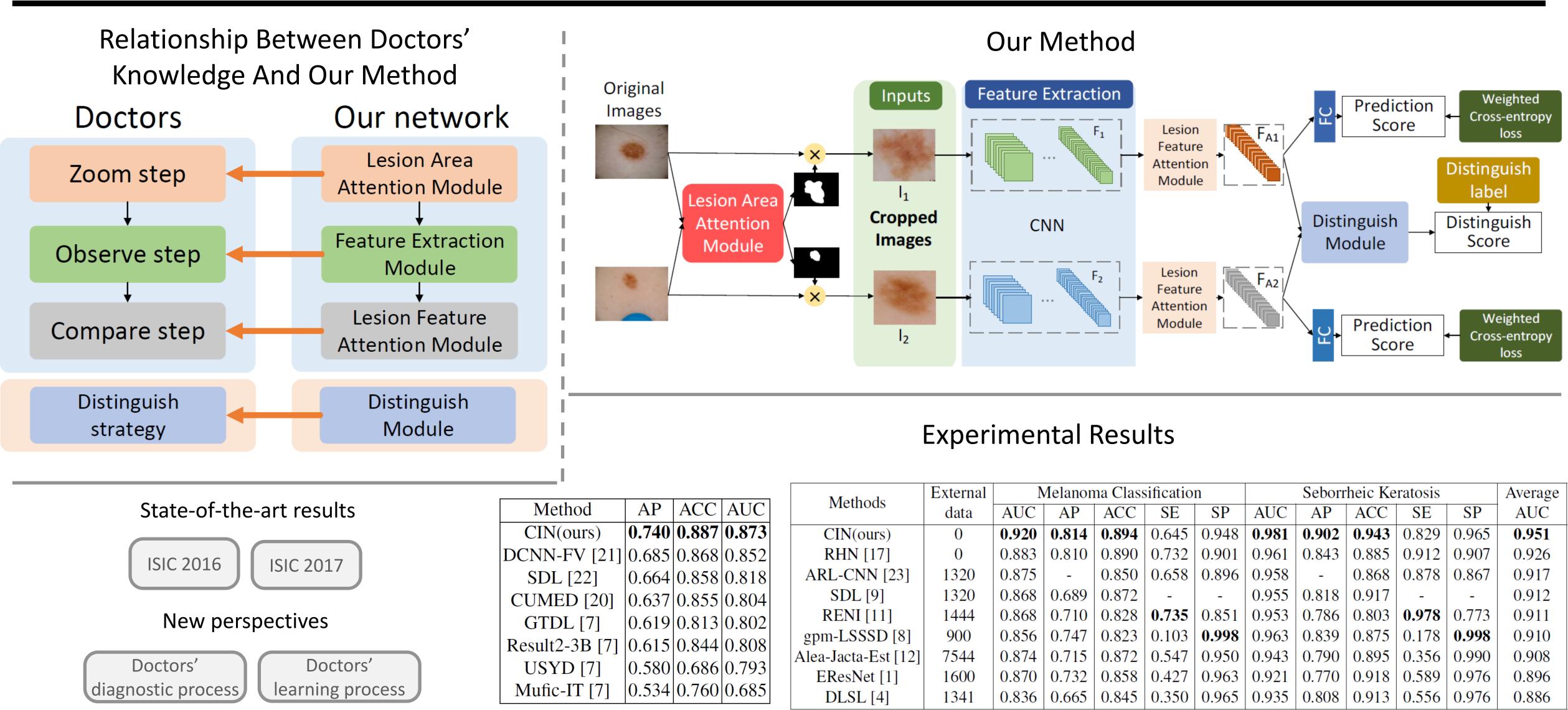


## **Clinical-Inspired Network for Skin Lesion Recognition**

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|       | Methods             | External | Melanoma Classification |       |       |       |       | Seborrheic Keratosis |       |       |       |      |
|-------|---------------------|----------|-------------------------|-------|-------|-------|-------|----------------------|-------|-------|-------|------|
| AUC   |                     | data     | AUC                     | AP    | ACC   | SE    | SP    | AUC                  | AP    | ACC   | SE    | SP   |
| 0.873 | CIN(ours)           | 0        | 0.920                   | 0.814 | 0.894 | 0.645 | 0.948 | 0.981                | 0.902 | 0.943 | 0.829 | 0.96 |
| 0.852 | RHN [17]            | 0        | 0.883                   | 0.810 | 0.890 | 0.732 | 0.901 | 0.961                | 0.843 | 0.885 | 0.912 | 0.90 |
| 0.818 | ARL-CNN [23]        | 1320     | 0.875                   | -     | 0.850 | 0.658 | 0.896 | 0.958                | -     | 0.868 | 0.878 | 0.86 |
| 0.804 | SDL [9]             | 1320     | 0.868                   | 0.689 | 0.872 | -     | -     | 0.955                | 0.818 | 0.917 | -     | -    |
| 0.802 | RENI [11]           | 1444     | 0.868                   | 0.710 | 0.828 | 0.735 | 0.851 | 0.953                | 0.786 | 0.803 | 0.978 | 0.77 |
| 0.808 | gpm-LSSSD [8]       | 900      | 0.856                   | 0.747 | 0.823 | 0.103 | 0.998 | 0.963                | 0.839 | 0.875 | 0.178 | 0.99 |
|       | Alea-Jacta-Est [12] | 7544     | 0.874                   | 0.715 | 0.872 | 0.547 | 0.950 | 0.943                | 0.790 | 0.895 | 0.356 | 0.99 |
| 0.793 | EResNet [1]         | 1600     | 0.870                   | 0.732 | 0.858 | 0.427 | 0.963 | 0.921                | 0.770 | 0.918 | 0.589 | 0.97 |
| 0.685 | DLSL [4]            | 1341     | 0.836                   | 0.665 | 0.845 | 0.350 | 0.965 | 0.935                | 0.808 | 0.913 | 0.556 | 0.97 |